

Joy of Knowledge

Introductory
brochure

The ten subject sections

How it
builds week
by week

PARTS 1 - 4

THE LIVING WORLD

evolution and biology of animal life on earth – from simplest living creatures to birds, mammals and man.



PARTS 5 - 8

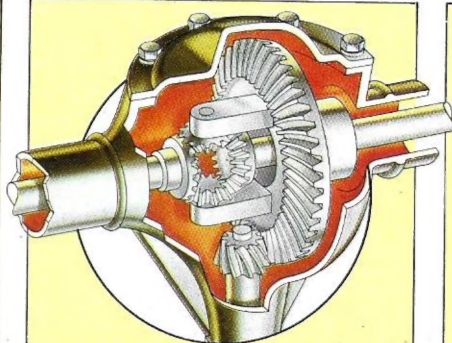
THE NATURAL EARTH

earth's structure, geology and climate; the world's natural regions in magnificent colour illustrations.

PARTS 9 - 16

TECHNOLOGY & RESOURCES

how things work – from the earliest tools to the microchip; earth's resources and how they are used.



PARTS 17 - 19

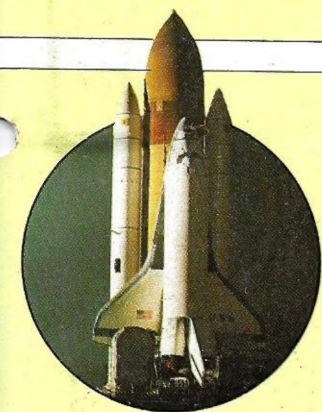
PHYSICAL SCIENCES

basic principles and modern developments in chemistry, mathematics and physics – all explained in superb visual terms.

PARTS 20 - 22

SPACE SCIENCES

the full panorama of the universe, with pictures of the stars, planets and phenomena of space; astronomy and space exploration.



PARTS 23 - 24

MEDICINE & PSYCHOLOGY

the surgery drugs and treatments used in the fight against illness; what psychology reveals about the human mind.

PARTS 25 - 32

HISTORY

tracing the course of civilization – the rise and fall of nations, trade and exploration, and the great writers and artists of each age.



PARTS 33 - 38

HISTORY: THE MODERN AGE

the wars, crises, revolutions and great artistic landmarks that have shaped the last 200 years.

PARTS 39 - 40

MAN & SOCIETY

politics, economics and the rule of law; the philosophies, myths and religions that represent man's search for truth.



PARTS 41 - 48

COMPLETE WORLD ATLAS

detailed maps of world physical and political geography; backed up with a factual summary of every country.

The encyclopedia designed to meet the needs of today's generation

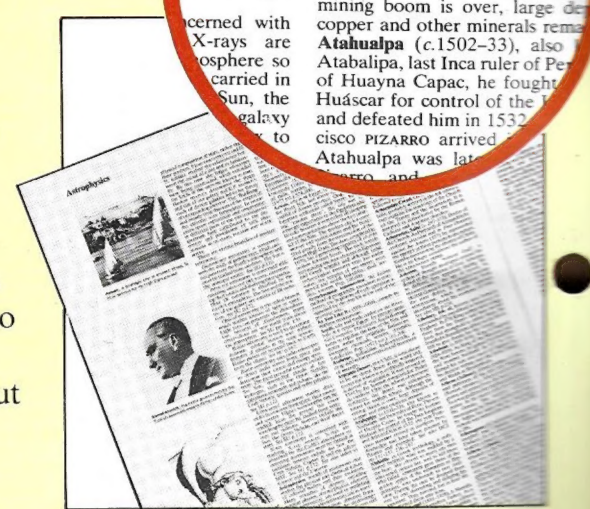
What makes it so enjoyable?

Joy of Knowledge makes learning a pleasure because it uses beautiful and informative illustrations to lead the reader into each subject area. No ordinary encyclopedia can show you as much – with vivid photographs, fascinating cut-away illustrations and full colour maps and charts. Great for school projects and homework!

What about quick reference?

Joy of Knowledge is organized to give you fast access to essential facts. The A-Z Fact Index provides short, factual entries on thousands of topics. It also serves as a fully cross-referenced index to the main subject sections of the library, so you can quickly find out where to get more in-depth information.

handcrafts. Pop...
Atabrine, quina...
the prevention...
of MALARIA.
Atacama Desert, in N Chile...
to be the driest desert in the...
except for where it is artificial...
is devoid of vegetation. It was...
1540 by the Spanish conquistador...
de Valdivia. Until the advent of...
fertilizers, the desert was ex...
mined for sodium nitrate. Altho...
mining boom is over, large de...
copper and other minerals rema...
Atahualpa (c.1502-33), also...
Atabalipa, last Inca ruler of Per...
of Huayna Capac, he fought...
Huáscar for control of the I...
and defeated him in 1532...
cisco PIZARRO arrived...
Atahualpa was later...
Pizarro, and



How is each subject explained?

Individual topics in the ten subject sections are covered in a self-contained 'spread' system – as shown here. Text and illustrations work together to provide the essential facts and vividly bring each subject to life.

A typical spread Text and pictures are integrated to present a comprehensive survey of the subject.

Main text Here you will find an 850-word summary of the subject.

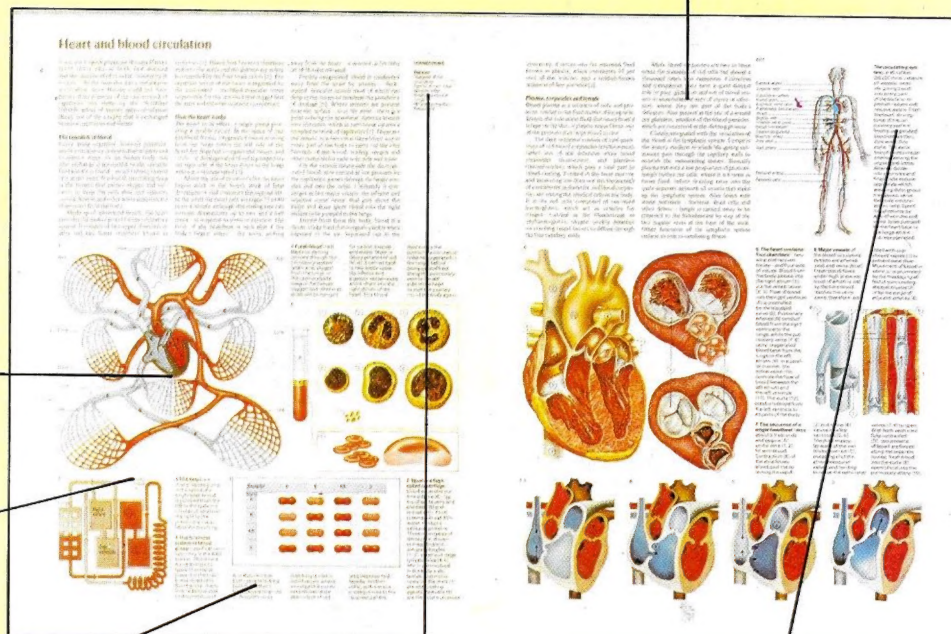
Illustrations Cutaway artwork, diagrams, paintings or photographs.

Annotation Labels that identify elements in an illustration or act as keys to the captions.

Captions Detailed information that supplements the main text and describes the illustration.

Connections 'Read Firsts' and 'See Alsos' direct you to background information about the subject.

Key The illustration and caption that sum up the theme of the spread and act as a recall system.

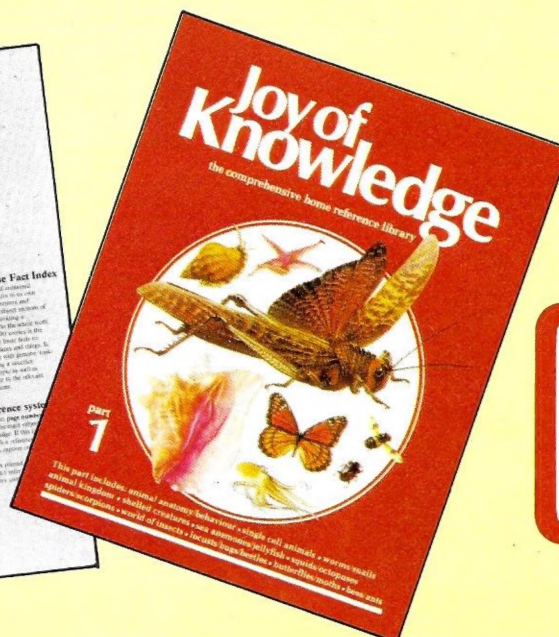
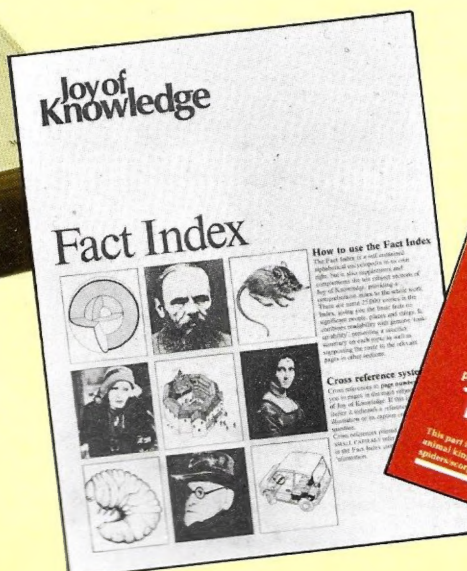
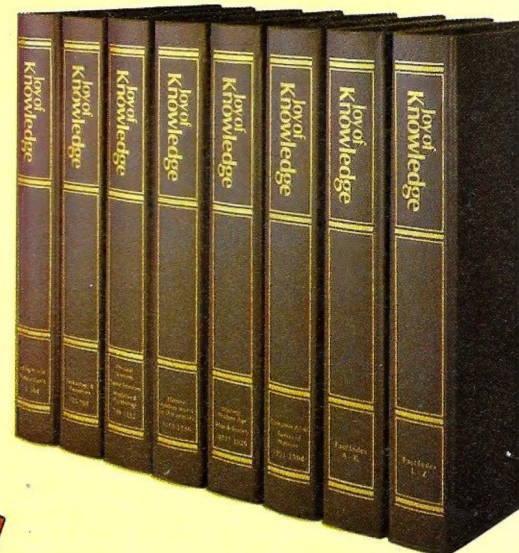


What do I get each week?

Working through the major subject areas from start to finish, you receive a useful 48-page section on a group of related topics. AND you receive 16 pages of the Fact Index, which builds separately into your A-Z quick reference volumes.

How do I keep the collection?

The complete set of Joy of Knowledge is designed to fit into eight specially labelled binders, making an attractive addition to your bookshelves. The first six hold the subject sections, and the last two hold the Fact Index.



The following pages show you the complete contents of the ten subject sections

Everything you'd ever imagine

1 The Living World

The animal kingdom
Animal anatomy
Sex in the animal world
Principles of animal behaviour
Single-celled animals
Sea anemones, hydras and corals
The jellyfish
Flatworms, flukes and tapeworms
Earthworms, ragworms and roundworms
Land and sea snails
Life between two shells
Squids and octopuses
Shells of the world
The joint-legged animals
Crabs and lobsters
Spiders and scorpions
Crustaceans and other arthropods
The classification of insects
The world of insects
Locusts, bugs and dragonflies
Advanced insects
Colourful bugs and beetles
Butterflies, moths, bees and ants
Starfish and sea urchins
Invertebrate oddities
Threshold of the vertebrates
The classification of fish
The life of fish
Unusual fish
Fish of seas and rivers
Life of amphibians
The life of reptiles
Snakes, lizards and turtles
Unusual reptiles and amphibians
The classification of birds
The anatomy of birds
How birds reproduce
Birds and migration
Bird life and variety
How birds behave
Island birds
Classification of mammals
The life of mammals
Monotremes and marsupials

Rodents, insect eaters and bats
Hoofed mammals
Flesh-eating mammals
Whales, porpoises and dolphins
Primates: relatives of man
How mammals behave
How primates behave
Primate to hominid
The first hominids
The first men
From ancient to modern man
Spread of man: 1
Spread of man: 2
Family of man: today's peoples
Family of man: how peoples differ
An introduction to body and mind
The nervous system
How the brain works
Mind and brain
Memory and recall
Potential of the mind
Sight and perception
Hearing and balance
Touch, pain and temperature
Smell and taste
Skull, skeleton and joints
Muscles and action
Skin and hair
Heart and blood circulation
Glands and their hormones
The body's natural defences
Breathing and the lungs
The digestive system
The human diet
Reproduction
Pregnancy
Giving birth
Human development
The growing child
The cell in action
The genetic code
Principles of heredity
Life and its origins
Evolution of life
The world before man
Theories of evolution
Evolution in action
Bacteria and viruses
Table of animal taxonomy



2 The Natural Earth

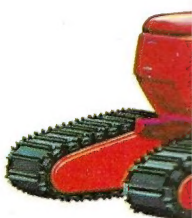
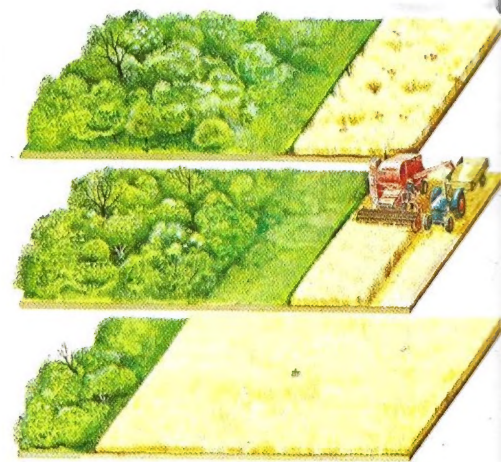


Anatomy of the earth
The earth as a magnet
Global tectonics
Continents adrift
Earthquakes
Volcanoes
Gravity
The rock cycle and igneous rocks
Sedimentary and metamorphic rocks
Folds and faults
Life and death of mountains
Earth's water supply
Caves and underground water
Rivers and lakes
Land sculptured by rivers
Rivers of ice
Ice caps and ice ages
Winds and deserts
Coastlines
Sea and seawater
Ocean currents
Waves and tides
The sea bed
Mapping the earth
The face of the earth
The atmosphere
The winds and weather systems
Weather
Forecasting
Climates
Shapes and structures of crystals
Earth's minerals
Gems and semi-precious stones
The record in the rocks
Clues to the past
Geology in the field
Earth's time scale
Fossils: the life of the past
Plants of the past
Fossils without backbones
Fish and amphibians of the past
Towards life on land
Reptiles of the past
The age of the reptiles
Mammals of the past
The age of mammals
Regions of the earth:

The basis of ecology
Isolation and evolution
Northern grasslands
Grasslands of Africa
South American grasslands
Australian desert grasslands
Northern pine forests
Northern temperate woodlands
Woodlands of Australasia
African rain forest
Forests of South-east Asia
New world tropics
Life in the desert
Desert birds and mammals
Mountain life
Polar regions
Life on the Tundra
Life on islands
Lakes and rivers
Wetlands: marshes and swamps
Saltmarshes and coastal swamps
The sea-shore: life between the tides
Life in the oceans
Animals of the oceans
Endangered mammals
Endangered birds
Endangered species
Destructive man
Plants of the Earth
Yeasts and moulds
Mushrooms and toadstools
The way plants work
Algae and seaweeds
The lichens
Mosses and liverworts
Ferns and horsetails
The cone bearers
Pines and other conifers
Flowering plants: two seed leaves
Flowers of wayside and hedgerow
Woody flowering plants
Trees, shrubs and climbers
Flowering plants: one seed leaf
Grasses, reeds and rushes
How flowering plants reproduce
Zoos and botanic gardens

3 Technology and Resources

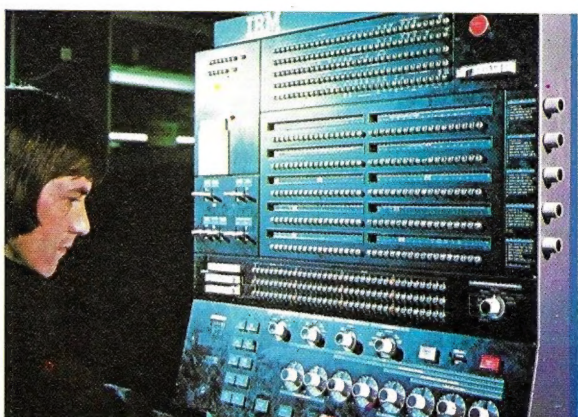
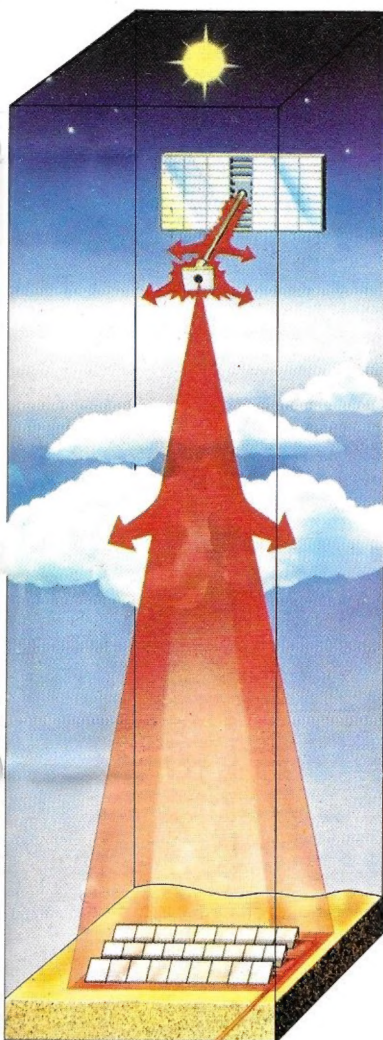
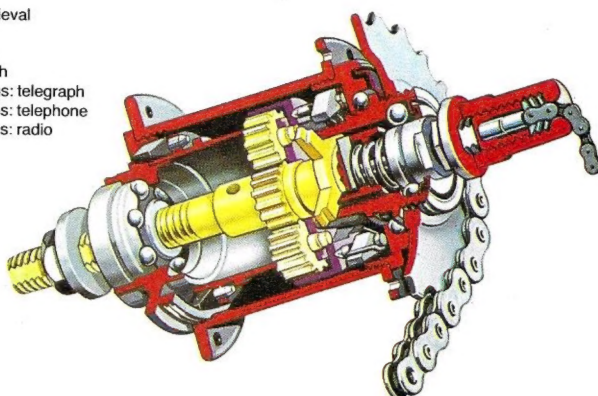
Early technology
Modern technology
The Stone age
Fire and bronze
The Iron age
The Steel age
Metals and their uses
Aluminium and its uses
Tailor-made materials
Hand tools
Handworking metals
Metalworking machines
Mineral resources of the land
Mineral resources of the sea
Energy resources: coal
Energy resources: oil and gas
Energy supplies
Basic types of engines
Steam engines
Power from steam
Oil and gas engines
Wind and water power
Power direct from the sun and earth
Nuclear power
Coal: production and uses
Oil and natural gas
Oil refining
Saving fuel and energy
Electricity generation and distribution
Levers and wedges
Pulleys and gears
Machines for weighing and measuring
Machines for measuring time
The factory and assembly line
Machines for lifting
Earth moving machines
Moving heavy loads
Electronic devices
Automatic control
How computers work
What computers can do
History of transport
Sailing ships
Modern ships
Hydrofoils and air cushion vehicles
Submarines and submarines
Oceanographic exploration
Man under the sea
Carts, coaches and carriages
History of bicycles
History of motor cycles
History of automobiles
Classic cars
How an automobile works
Cars and society
Trams and buses
Special purpose vehicles
Small technology and transport
Locomotives
Railway transport
Railways of the future
Balloons, blimps and dirigibles
History of aircraft
Modern aircraft
How an aeroplane works
Helicopters and autogyros
Road building
Traffic engineering
Airports and air traffic
Tunnel engineering
History of bridges
Modern bridges
Harbours and docks
Canal construction
Building dams
Water supply
Sewage treatment
Working with ceramics
Materials for building
Making large buildings
Building with local resources
Early weapons and defence
Development of firearms
Automatic weapons
History of artillery
Modern artillery
Armoured fighting vehicles
Fighting ships: the age of sail
Modern fighting ships
Early military aircraft
Modern military aircraft
Nuclear, chemical and biological warfare
Chemical engineering
Soaps and detergents
Fireworks and explosives
Colour chemistry
Cosmetics and perfumes
Rubber and plastics
Fibres for fabrics
Making cloth
Making paper



ed ... and a great deal more

Small technology in the home
Everyday machines and mechanisms
Codes, cyphers and secret messages
Communication through writing
History of printing
Modern printing
Copying and duplicating
Newspapers and magazines
Books and publishing
Reference books and encyclopedias

Information retrieval
Photography
Taking pictures
Cine photograph
Communications: telegraph
Communications: telephone
Communications: radio



Communications: television
Sound recording and reproducing
Video recording and reproduction
Radar and sonar
Crime prevention methods
Crime detection methods
Growth of farming technology
The small farm
The farming corporation
Farm machinery and buildings
The living soil
Water and irrigation
Improving crops
Protecting crops
Organic farming
Plant genetic resources
Plant propagation
Staple foods: grains
Bread and pasta
Staple foods: pulses

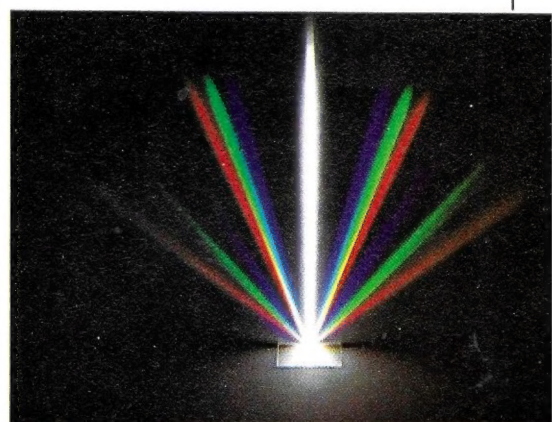
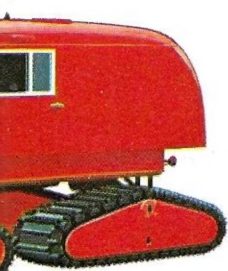
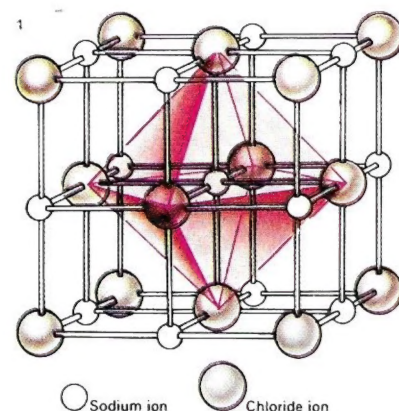
Stable foods: tubers
Vegetables
Green salads
Temperate fruits
Tropical fruits
Sugar and honey
Origins of wine
Vines and grapes
Wines of the world
Beer and brewing
Spirits and distilling
Coffee, tea and cocoa
Seeds and spices
Culinary and medicinal herbs
Berries, nuts and olives
Fibre and oil crops
Forestry
The modern tree nursery
Trees: problems of climate and disease
Farm stock breeding and management

Cattle for beef and milk
Dairy produce and cheese
Pigs and Sheep
Cuts of meat
Pork, ham and cold meats
Poultry and egg production
Poultry and game
Commercial fishing
Fish farming
Fish of ponds and rivers
Fishes of the ocean depths
Shellfish and other seafoods
Food preservation
The future of food
Land uses
World food resources
Pollution of the air
Misuse of the land
Pollution of rivers and lakes
Pollution of the sea
Energy for the future
Resources at risk

4 Physical Sciences

Prehistoric and ancient science
Asian and medieval science
Alchemy and the Age of Reason
Mathematics and civilisation
The grammar of numbers
The language of numbers
Measurement and dimensions
Finding unknown quantities:
algebra
Mathematical curves
Logarithms and slide rule
Sets and groups
Finding changing quantities:
calculus
Lines and shapes: geometry
Lines and shapes: trigonometry
Surface and volumes: solid geometry
Shape and symmetry
The language of space: topology
Maths and mapping
Facts and statistics
Odds and probability
The scale of the universe
What is an atom?
Nuclear physics
Beyond the atom
The nature of energy
Statics and forces
Attraction and repulsion
Speed and acceleration
Circular and vibrating motion
Pressure and flow
What is sound?
Musical sounds
States of matter: gases
States of matter: liquids
States of matter: solids
Heat and temperature

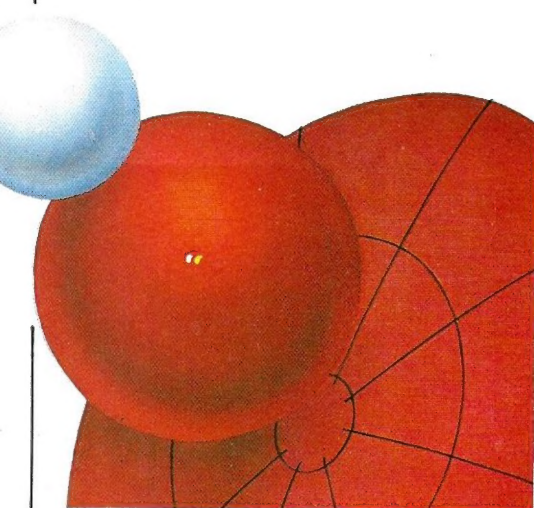
Order and disorder:
thermodynamics
Towards absolute zero
Extremes of pressure
Light and colour
Mirrors and lenses
Light waves
The speed of light
The idea of relativity
Light energy
Energy from lasers
What is electricity?
What is an electric current?
Magnets and magnetism
Electromagnetism
Using magnets
Transformers, motors and dynamos
Basic DC circuits
Basic AC circuits
Semiconductors
Basic electronic principles
What is chemistry?
Classification of elements
Survey of groups of elements
Joining atoms
Simple chemicals and their structures
Complex chemicals and their structures
Chemicals in solution
Key chemical reactions
Electro chemistry
Chemical analysis
Towards the chemistry of life
The chemistry of life:
biochemistry
Polymers: giant molecules
Scientific tables



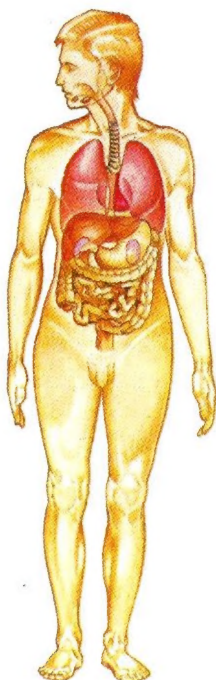
5 Space Sciences

The restless sky
Measuring the restless sky
Telescopes
Great observatories
Invisible astronomy
Evolution of the solar system
Members of the solar system
The moon
Moon missions
The moon's structure
Moon maps
Moon panorama
The planet Mercury
The planet Venus
The planet Earth
The planet Mars
Mars missions
Mars maps
Mars panorama
The moons of Mars
Minor planets
The planet Jupiter
Jupiter panorama
The planet Saturn
The moons of Jupiter
The outer planets
Comets
Meteors and meteorites
The sun and solar spectrum
The sun's atmosphere and radiation
Solar eclipses
Star types

Stellar evolution
Galactic nebulae
From nebulae to pulsars
Pulsars and black holes
Double stars
Pulsating stars
Irregular stars
Stellar clusters
Our galaxy
The local group of galaxies
Types of galaxies
Radio galaxies and quasars
The expanding universe
Mapping the constellations
Star Guide: Northern Sky I
Star Guide: Northern Sky II
Star Guide: Southern Sky I
Star Guide: Southern Sky II
Seasonal Star Maps: Northern
Seasonal Star Maps: Southern
Space vehicles
Man in space
The story of space
achievements
Stations in space
Colonizing the moon
The martian base
Exploring the inner planets
Exploring Jupiter and Saturn
Exploring the outer planets
Beyond the sun's family
Worlds of many kinds
Astronomical Tables



6 Medicine and Psychology



Introduction to illness and health
Causes of illness: I
Causes of illness: II
Diseases of breathing
Diseases of circulation
Diseases of digestive system
Diseases of skeleton and muscles
Diseases of nervous system
Diseases of skin
Diseases of the glands
Diseases of urogenital system
Alcoholism and drug abuse
Diseases of the third world
World health
Community medicine
Preventive medicine
Natural remedies
Man-made cures
Radiology and radio therapy
Development of surgery
Having an operation
Dentistry
Birth control
Non-medical healing
Introduction to mental health
How mental illness has been treated
Psychoses
Personality defects and neuroses
Psychosomatic diseases and retardation
Physical cures for mental illness
Behaviour therapy
Psychotherapy
Classifying personality types
Thinking and understanding
Language development
Social development
Emotional development
Moral development
Adolescence
Adolescence, sex and independence
Adulthood: from 20-30
Adulthood: from 30-40
Adulthood: middle age
Ageing and longevity
An active old age
Death, grieving and loss
Questions of life and death
Meditation and consciousness

7 History: Ancient world to 18th century

The tools of history
The art of pre-history
Beginnings of agriculture
Early western Asia
The Sumerians
The Babylonians
Egypt – the Old and Middle Kingdoms
India to 500 BC
Minoan civilization
The Greek mainland
Stone Age Britain
China to 1000 BC
America to AD 300
Egypt to Alexander the Great
Africa: Kush & Axum
The Hittites
The Phoenicians
The Assyrians
The Hebrews
The Persian Empire
India to AD 300
Buddha and Buddhism
The Greeks to the rise of Athens
Classical Greece
Classical Greek society
Greek literature and theatre
Greek art 1100-450 BC
Greek art 450-31 BC
Alexander The Great
Greek science
Bronze and Iron Age Britain
The Celts 500 BC-AD 450
The Etruscans
Early Rome
Rome's Republic
Roman life
Civil wars to Caesar's empire
Rome: the expansion of empire
Roman rule in Britain
Life in Roman Britain
Roman remains in Britain
Roman art 27 BC-AD 117
Roman art 117-550 AD
Christ and the Apostles
Rome: soldier emperors to Constantine
Roman literature
Europe to 500 BC
Early Oriental and Western Science
India 300-1200 AD
Indian art to the Moguls
China to 618 AD
Confucius
China to 368 AD
Chinese art
Japan to 1185 AD
Japanese art
Rise of Medieval Western Christendom
The Barbarian invasions
Anglo-Saxon settlement
Celts and Christianity
The Byzantine Empire
Mohammed and Islam
Byzantine art
Arabs and the rise of Islam
Islamic art
Charlemagne and Empire
The Anglo-Saxon monarchy
The Vikings
Western European economy 800-1000 AD
The Holy Roman Empire
Anglo-Saxon art
European expansion to the East
The end of Anglo-Saxon England
Norman and Angevin England
Islam in Europe
Romanesque art of 11th Century
Romanesque art of 12th Century
The crusades
The King and the Barons
Medieval Ireland
Scotland to Bannockburn
Wales: The Act of Union
Triumph of the Church
13th Century European learning
Western European economy 1100-1250 AD
Town life in medieval England
The Church in medieval England
Rural life in medieval England
Gothic art 1140-1200
Gothic art of the 13th Century
The emergence of France
Feudalism



European society 1250-1450
Origins of parliament
Medieval literature and drama
The 100 Years War
The age of Chaucer
Gothic art of the 14th Century
Gothic art of 1400-1550 AD
The Ottoman Empire to 1600 AD
The world Europe explored
Asian empires of the Mongols
Empires of South-East Asia
African empires 500-1500 AD
Meso America 300-1521 AD
Colombia and Peru 300-1534 AD
The age of Exploration
American: Conquest and Settlement
The rise of banking
Politics of Europe 1450-1600 AD
England in the 15th Century
Scotland 1314-1560 AD
The Renaissance: Humanism
Florentine art
The Flemish Renaissance
Italian art 1450-1490 AD
Florence and Rome: High Renaissance
Renaissance
High Renaissance in N. Italy
Renaissance music
The German and Netherlands Renaissance
The French Renaissance
Mannerism
The Tudors and new nation state
The Reformation
The English Reformation
The Counter Reformation
Politics in the age of Elizabeth
Elizabeth and the Armada
Exploration and trade in Tudor England
Elizabethan art and architecture
English Renaissance literature
Shakespeare and Elizabethan theatre
The Stuarts and Parliament
The English Revolution
The Commonwealth and Protectorate
The Restoration of the Stuarts
Pepy's London
Art and architecture in the 17th Century

Scotland to the Act of Union
Europe 1500-1700 AD
Science and technology 1500-1700 AD
Baroque art – style
Baroque art – patronage
Seventeenth Century French art
Golden Age of Dutch painting
Age of Marlborough
The Age of Louis XIV
French classical literature
Origins of opera
Medieval Russia 900-1600 AD
Early modern Russia
Enlightened despotism
Europe 1700-1800
England under Hanoverians
The Agricultural Revolution
The Enlightenment
The English in Ireland
Irish culture to 1850
Scotland in 18th Century
Scottish culture to 1850
Exploration and science 1750-1850
European literature in 18th Century
The Rococo
Early ballet
Baroque and classical music
Neoclassicism
International economy 1700-1800
British colonial policy
India to 1800
Indian art – the Mogal Age
China to 1800
Chinese art
Japan 1185-1868
Subsaharan Africa 1500-1800
Time charts: 4000-2000 BC
2000-1200 BC
1200-700 BC
700-300 BC
300 BC-100 AD
100-400 AD
400-700 AD
700-1000 AD
1000-1250 AD
1250-1400 AD
1400-1500 AD
1500-1600 AD
1600-1660 AD
1660-1720 AD
1720-1760 AD

8 History: the Modern Age

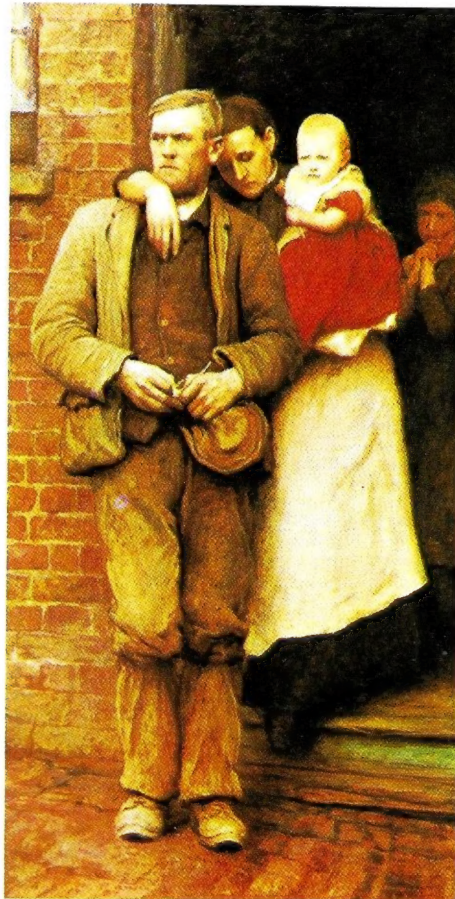
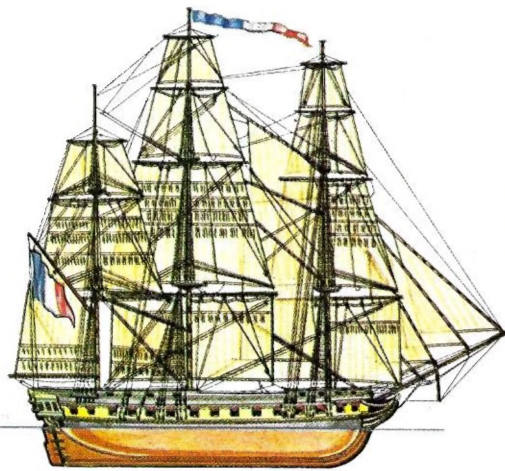
The settlement of North America
The American Revolution
The early Industrial Revolution
Pitt, Fox and the call for reform
Georgian art and architecture
Origins of Romanticism
The French Revolution
Napoleonic Europe
Nelson and Wellington
Romantic art: figure painting
The Congress of Vienna
European Empires in the 19th Century
Latin American Independence
The Industrial Revolution
The urban consequences of industrialization
The rural consequences of industrialization
The British Labour Movement to 1868
Social reform 1800-1914
The novel and press in the 19th Century
Poetry and theatre in the 19th Century
Romantic art: landscape painting
Development of the orchestra
Music: the Romantic period
The revolutions of 1848
German and Italian Unification
Queen Victoria and her Statesmen

Victorian London
Realist Painting in the 19th Century
Impressionism
Opera in the 19th and 20th Centuries
European Architecture in the 19th Century
Colonizing Oceania and Australasia
Australia and New Zealand to 1918
South Africa to 1910
Imperialism in the 19th Century
The British Empire in the 19th Century
The Story of the West Indies
The Story of Canada
The Expansion of Christianity
India in the 19th Century
Africa in the 19th Century
The opening up of China
Japan: The Meiji Restoration
USA: The opening up of the West
The American Civil War
USA: Reconstruction to World War I
The Impact of Steam
The Foundations of 20th Century Science
Industrialization 1870-1914
The Fight for the vote
Ireland from Union to Partition

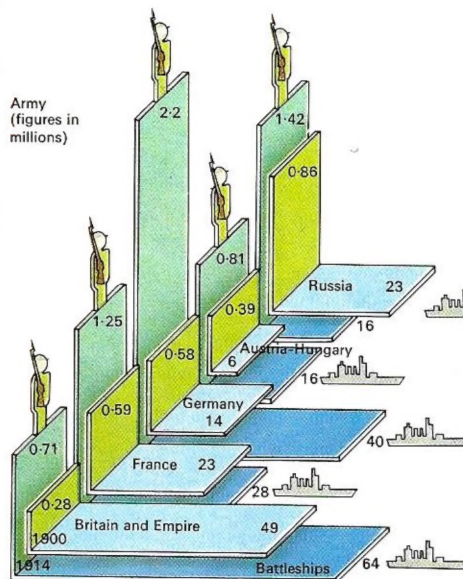
Scotland in the 19th Century
Wales 1530-1914
Russia in the 19th Century
Political thought in the 19th Century
Masters of Sociology
Fauvism and Expressionism
Cubism and Futurism
Origins of Modern Architecture
Europe 1870-1914

British Foreign Policy 1815-1914
Balkanization and Slav Nationalism
Causes of World War I
World War I
World War I: Britain's Role
The Peace of Paris
What World War I meant to Britain

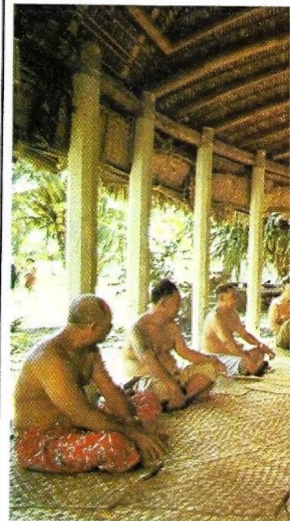
The Russian Revolution
Stalin's Russia
Origins of Film
Dada, Surrealism and their legacy
Abstract Art
Modern Architecture after 1930
The twenties and the Depression
The British Labour Movement 1868-1930
Socialism in the West
East Asia 1919-1945
Indian Nationalism
British Foreign Policy since 1914
The Commonwealth
The Rise of Fascism
Britain 1930-1945
Causes of World War II
World War II
World War II: Britain's Role
The Home Front in World War II
The Division of Europe
Britain since 1945
The Soviet Union since 1945
Eastern Europe since 1949
China: The People's Republic
Decolonization
Australia since 1918



New Zealand since 1918
Southern Africa since 1910
Non-Alignment and the Third World
Latin America in the 20th Century
Evolution of the Western Democracies
Scotland in the 20th Century
Wales in the 20th Century
USA: the affluent society
20th Century sociology and its influence
Hollywood
Music from Stravinsky to Cage
Jazz and pop
Classical and modern ballet
Cinema as art
Recent trends in the visual arts
Art and architecture in 20th Century Britain
Irish culture since 1850
Scottish culture since 1850
The arts in Wales
American writing: into the 20th Century
Emergent literatures of the 20th Century
The wars of Indochina
Ireland since Partition
The question of Israel
The United Nations
The world's monetary system
Underdevelopment and the world economy
Modern Christianity
Europe from confrontation to détente
The rulers of Britain
Time charts:
1760-1800
1800-1825
1825-1850
1850-1875
1875-1900
1900-1925
1925-1950
1950-1980



9 Man and Society



The study of man
Origins of human society
Stages of social evolution
Simplest human societies
Prestate societies
Origins of civilization
Ancient states and empires
Structures of societies
Conflict, power and inequality
The individual in society
Prejudice and intolerance
Prejudice and personal choice
Political ideas
Political science
Political systems
Political participation
The machinery of government
Money and capital
Man as an economic being
Industry and economics
International trade and finance
International co-operation
The rule of law
Sources and Divisions of Law
Communication: body language
Communication: through speech 1
Communication: through speech 2
What is philosophy?
Logic and tools of philosophy
Philosophy and religion
Fields of philosophy
Philosophy and ethics
The occult
Parapsychology
Astrology
The meaning of ritual
Types of ritual
The meaning of myth
Myths of spring
Myths of summer
Myths of autumn
Myths of winter
The nature of religion
Judaism and Christianity
Islam, Hinduism and Buddhism
Methods of worship
Religion and modern man



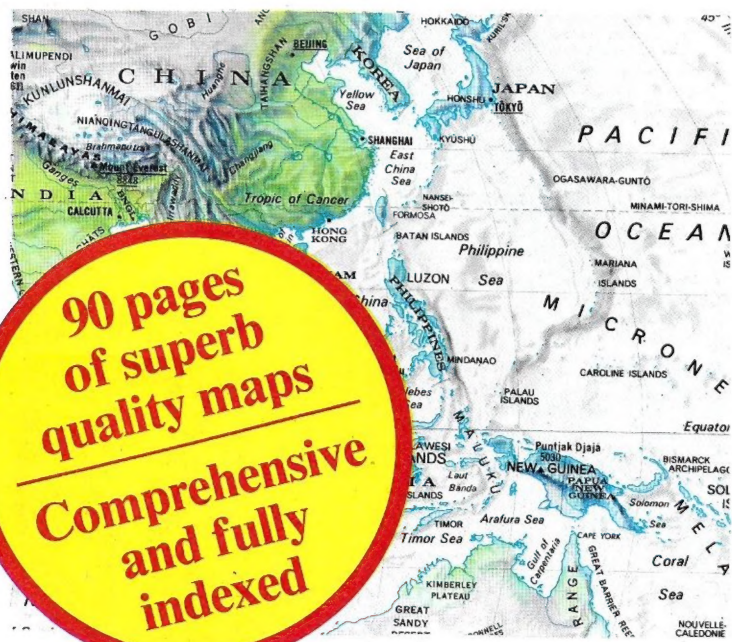
10 Complete Atlas/Survey of Nations



World Map
Europe and N. Africa
Southern Africa
Earth panorama – Europe
Earth panorama – Asia
Northern Asia
Southern Asia
Earth panorama – Asia
Australia and Antarctica
Earth panorama – The Pacific
North America
Earth panorama – N. America
South America
Earth panorama – S. America
The Atlantic Ocean
The Pacific Ocean
The Indian Ocean and Polar Seas

Flags of the World
Almanac
Nations of the World
World Political Map
Arctic and Antarctic
Europe
British Isles and Ireland
Scotland
Northern England
Southern England and Wales
Scandinavia
Central Europe
France and the Alps
Spain and Portugal
Italy

South Eastern Europe
Moscow, Leningrad
Eastern Soviet Union
The Middle East
North East Africa and Arabia
Western North Africa
South Africa
India & S. India and Sri Lanka
N. India
China, Japan, Korea
Japan
E. China, Hong Kong
S.E. Asia
Indochina
Australia
S.E. Australia
S.W. Australia
N. Australia
New Zealand & Pacific Islands
Canada
USA
N.E. United States
California
Mexico
Central America
North S. America
South S. America
Atlas index and gazetteer



90 pages
of superb
quality maps
Comprehensive
and fully
indexed

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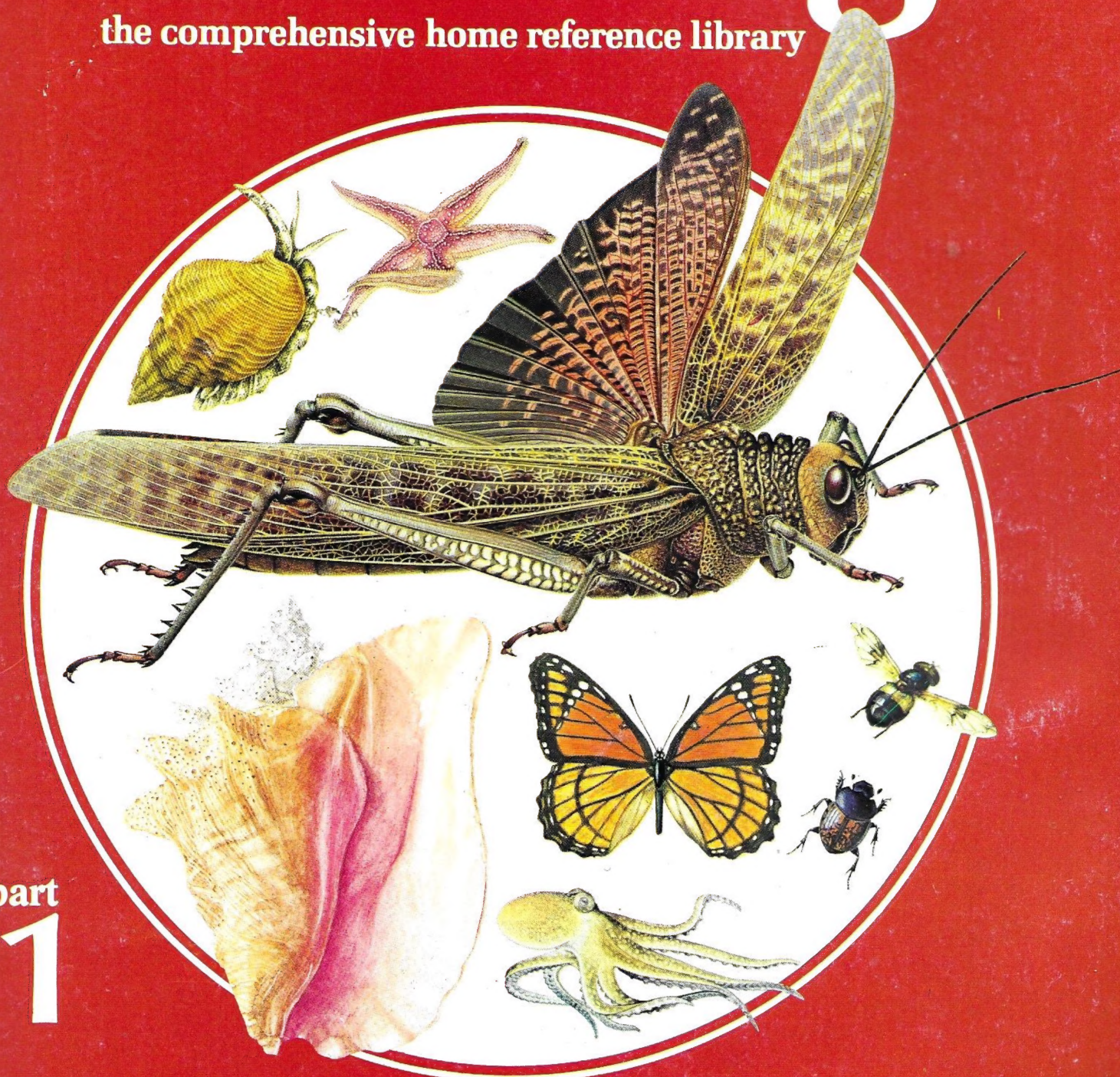
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part
1

This part includes: animal anatomy/behaviour • single cell animals • worms/snails
animal kingdom • shelled creatures • sea anemones/jellyfish • squids/octopuses
spiders/scorpions • world of insects • locusts/bugs/beetles • butterflies/moths • bees/ants

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part
2

This part includes: reptile life

• frogs/toads • snakes/lizards

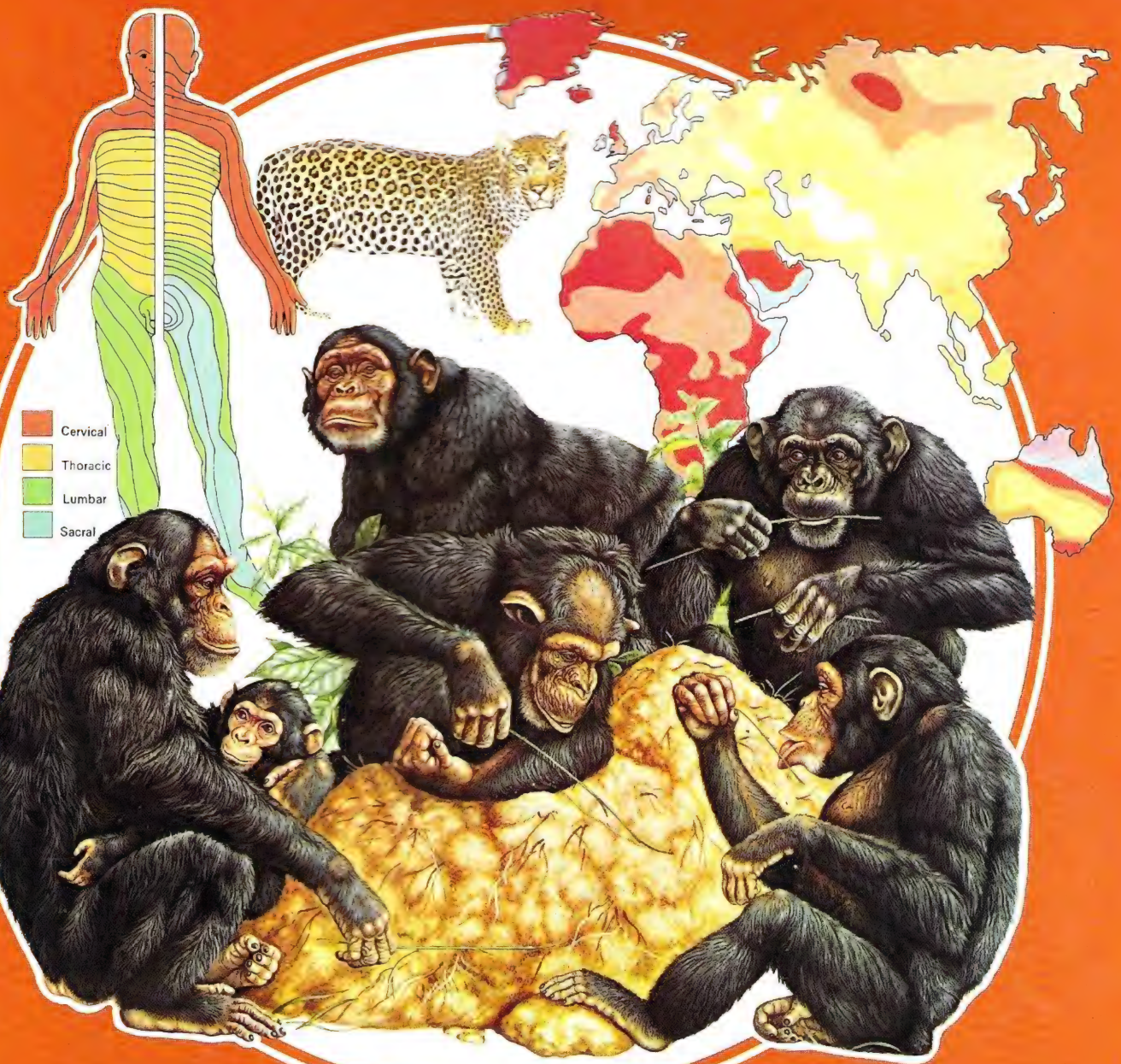
• mammal groups • marsupials • rabbits/squirrels • moles/mice • elephants/deer/giraffes

• fish of seas and rivers

• birds of the world • bird behaviour

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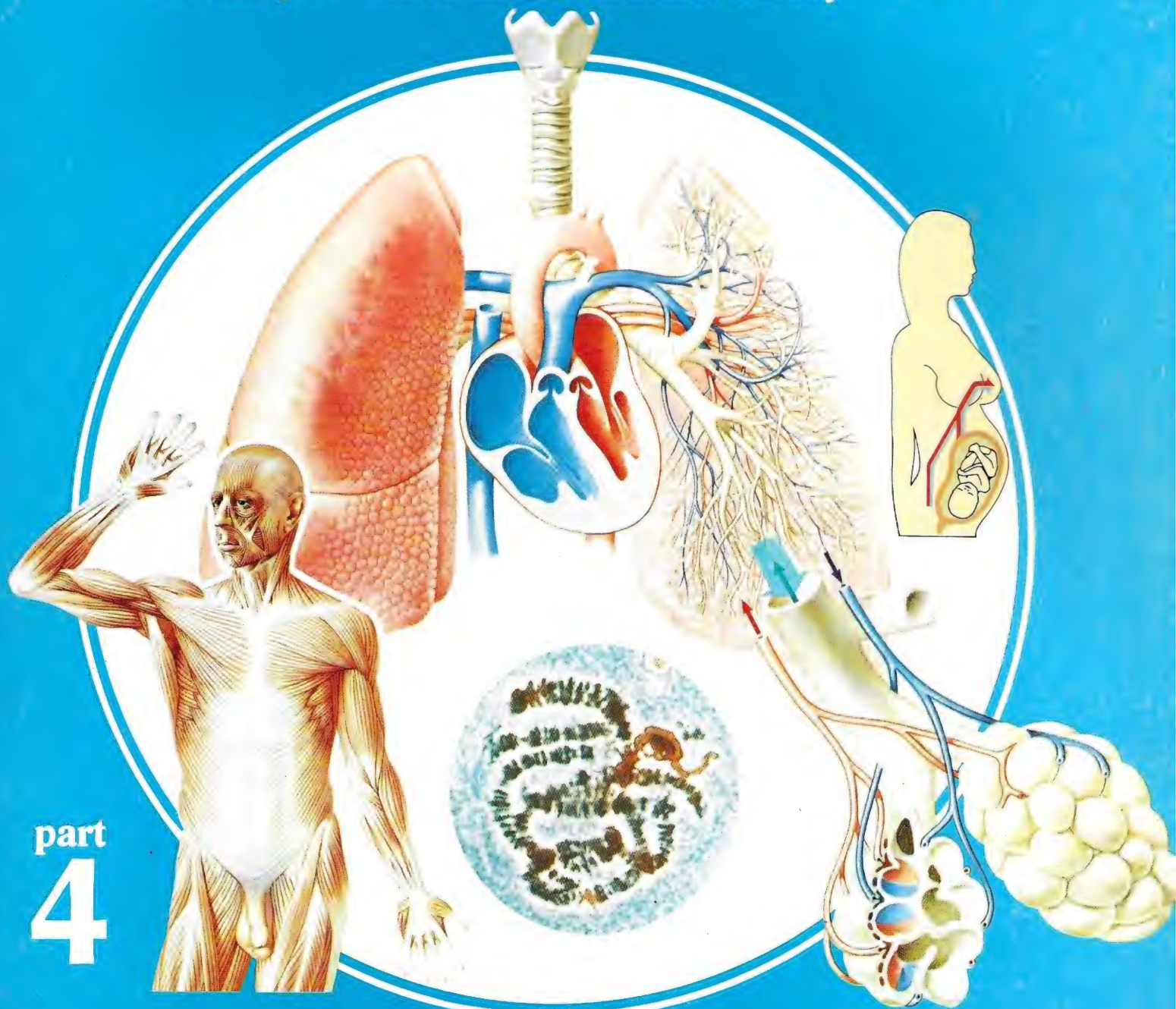
part
3

This part includes: big cats and other carnivores • whales/porpoises/dolphins
mammal behaviour • monkeys/apes/chimps • evolution of man • peoples of the world
human body and mind • brain and nervous system • sight/hearing/taste/touch

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part
4

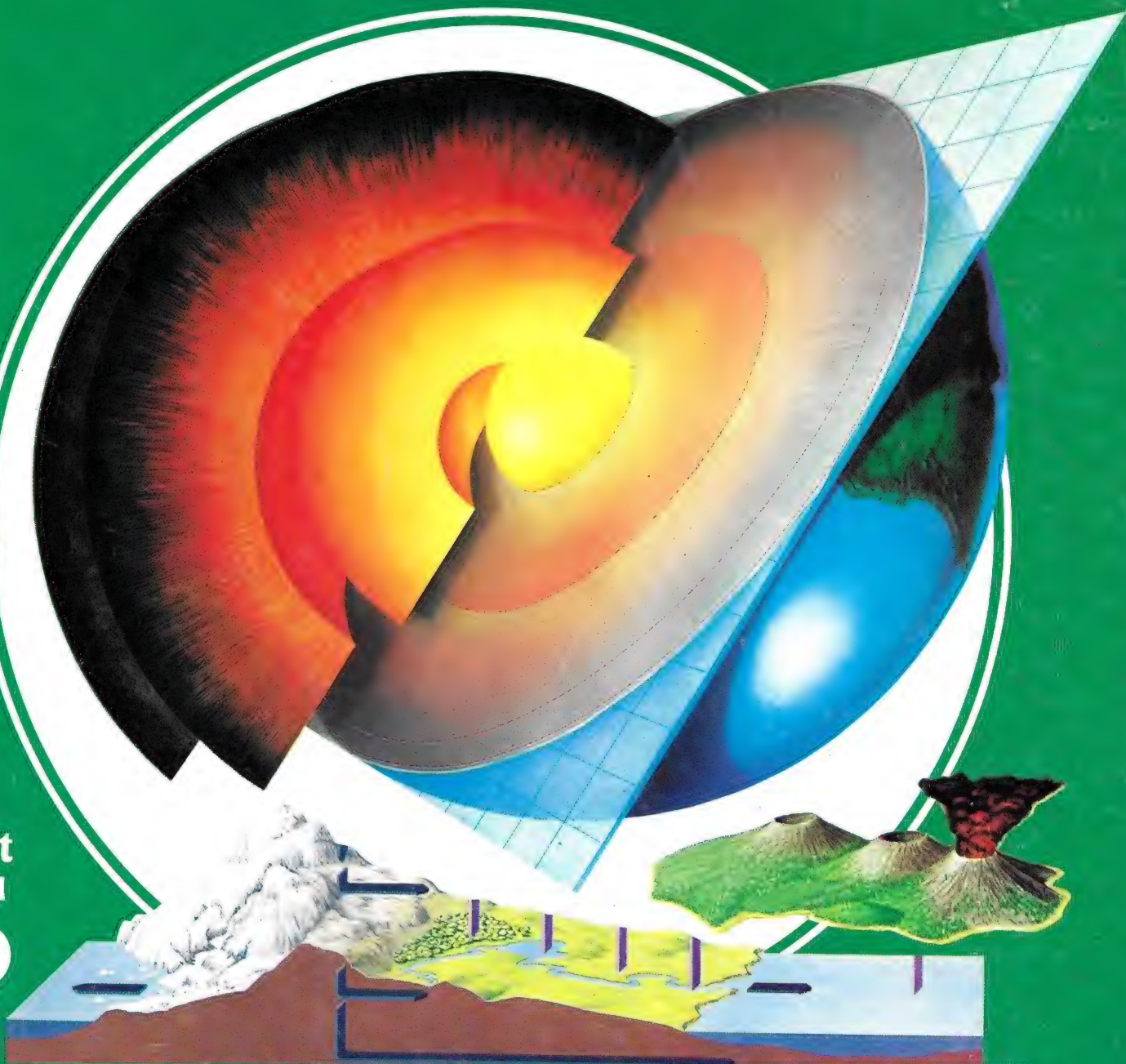
This part includes: human skeleton/joints/muscles • hormone system • skin/hair
heart/blood • breathing/digestion • reproduction/pregnancy • human development
cell structure/heredity • origins of life • prehistoric creatures • ideas on evolution

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part
5



This part includes: earth's structure • continental drift • earthquakes/volcanoes
rock cycle/rock types • shaping the landscape • mountains • caves/underground water
rivers/lakes/ice • winds/deserts • coastlines/sea • currents/tides • the sea bed

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part
6

This part includes: mapping the earth • atmosphere/wind/weather systems
climate zones • crystals/minerals/gemstones • geology at work • earth's timescale
understanding fossils • past ages of earth • dinosaurs/prehistoric mammals

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part
7



This part includes: understanding ecology • grassland habitats • forests/woodlands
mountain wildlife • tropical regions/jungles • desert plants and creatures
polar regions/tundra • islands/lakes/rivers • marshes/swamps/seashore life

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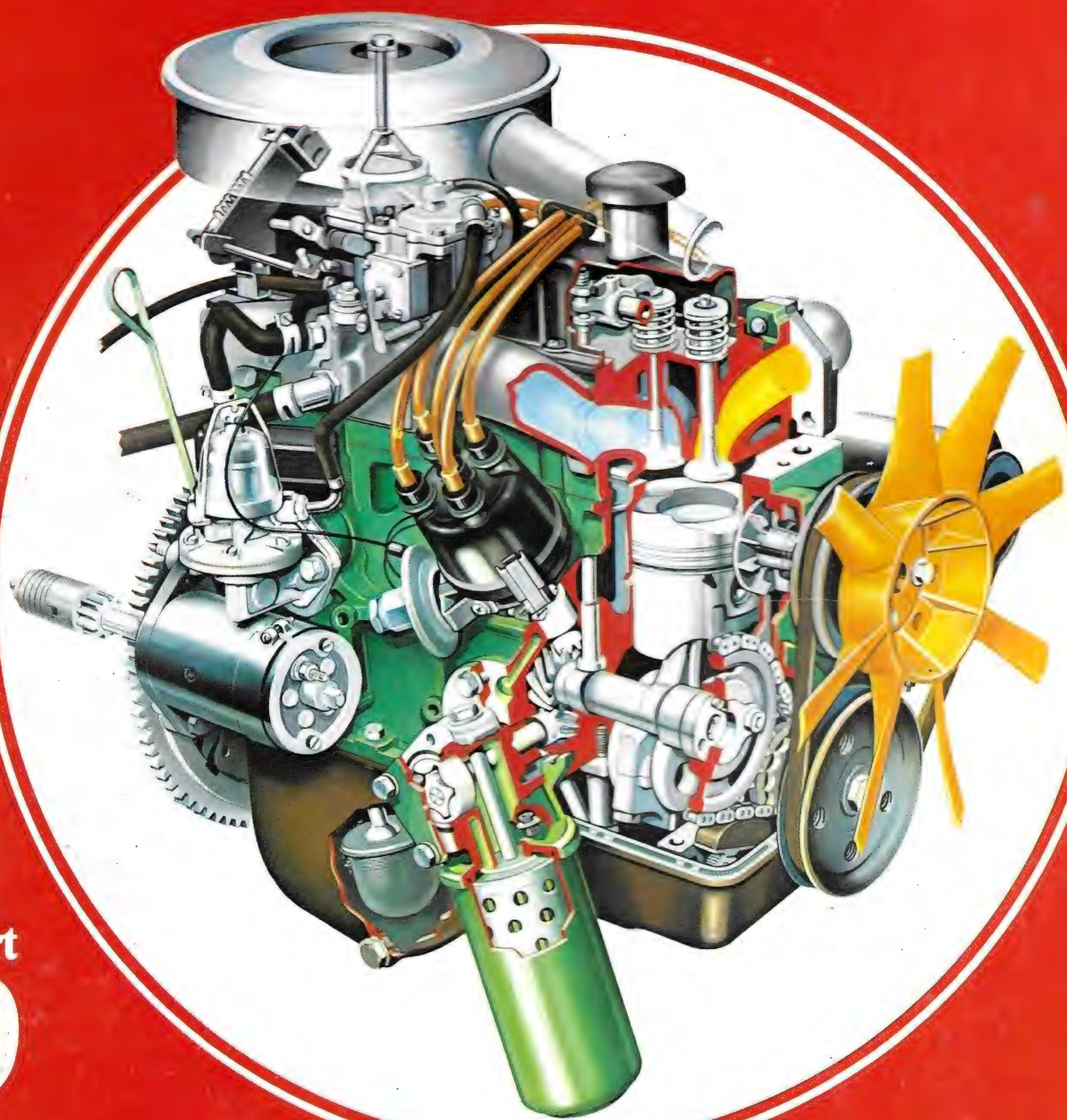
part
8



This part includes: life in the seas • ocean animals • endangered species
the plant kingdom • mushrooms/toadstools • algae/seaweeds • lichens/mosses • ferns
pines/conifers • flowering plants • trees/shrubs • grasses/reeds • plant reproduction

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part
9

This part includes: milestones in technology • bronze and iron age • steelmaking making use of metals • gold/copper/lead/mercury/aluminium • earth's energy supplies coal/oil/gas/steam • power stations • how engines work • wind/water power • solar energy

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part
10

This part includes: nuclear power stations • processing coal/oil/natural gas generating electricity • hydraulic lifts/giant cranes/excavators • electronic devices computers at work • sailing ships/modern liners • hydrofoils/ACVs/submarines

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11

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part
12

This part includes: engineering at work • building bridges/harbours/canals/dams
technology of weapons • pistols/revolvers/rifles/machine guns • artillery/tanks
fighting at sea • destroyers/nuclear subs • military aircraft/fighters/bombers

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part
13

**This part includes: chemical engineering • explosives • colour chemistry • plastics
textiles/paper • technology at home • understanding everyday machines • calculators
codes/cyphers • printing/copying/duplicating • technology of newspapers/books**

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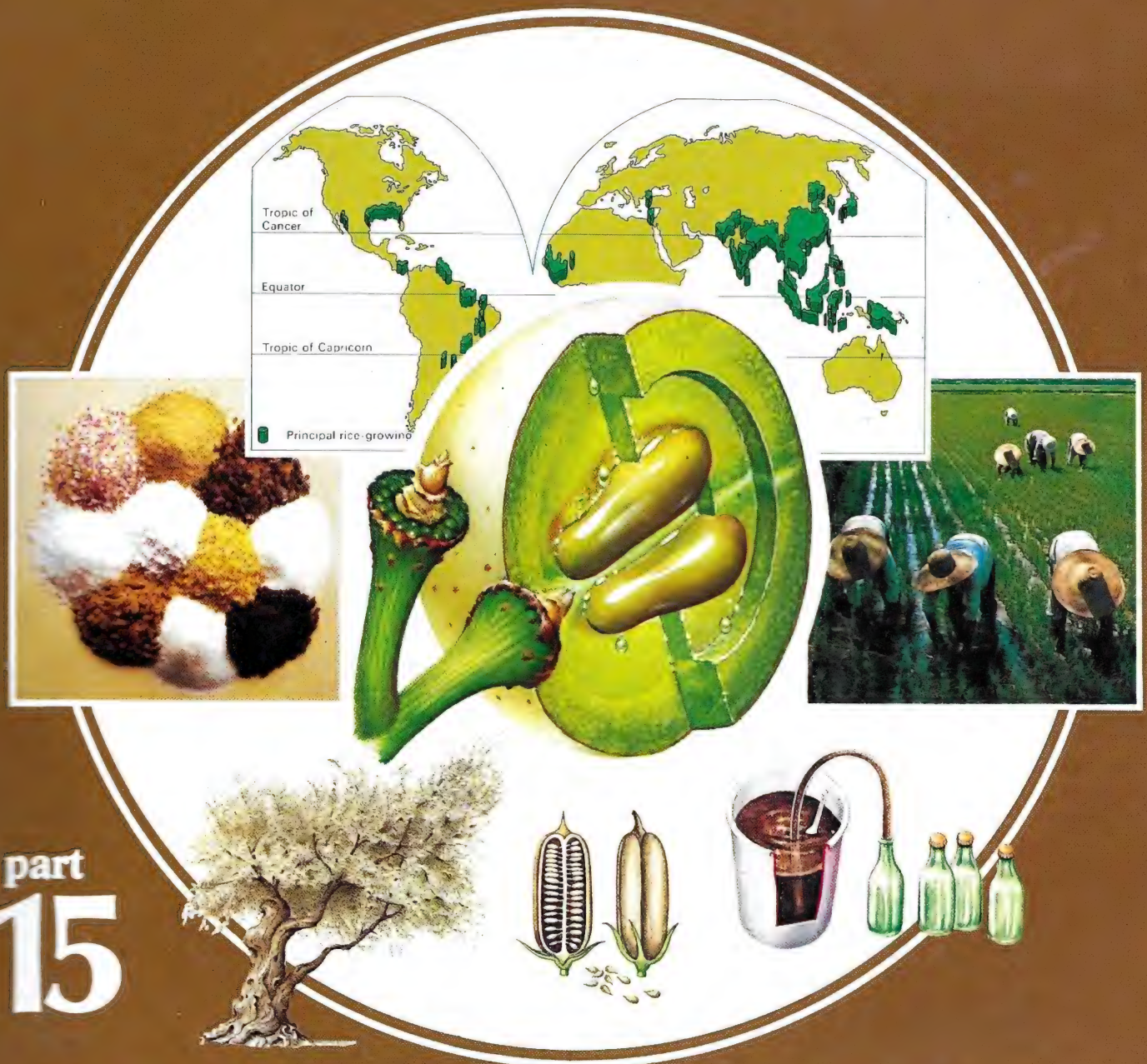


part
14

**This part includes: cameras/photography/cinema • history of telecommunications
telegraph/telephone • television • sound and video recording • radar/sonar
crime prevention/detection • farming technology • soil/irrigation/improving crops**

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part
15

**This part includes: plant propagation • man's staple foods • cereals/bread/pasta
vegetables/salads/fruit • sugar/honey • wines of the world • beer/spirits/liqueurs
coffee/tea/cocoa • spices/herbs/berries/nuts • crops for industry • forestry**

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part
16

This part includes: livestock breeding and veterinary care • cattle/pigs/sheep dairy produce • cuts of meat • poultry/egg production/game animals • commercial fishing food for the future • land uses/misuses • water pollution • alternative energy sources

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part
17

This part includes: history of science • mathematics • measurement/dimensions
algebra/geometry/trigonometry/calculus • arithmetic in everyday life • shape/symmetry/space
facts and statistics • laws of chance • scale of the universe • atoms/nuclear physics

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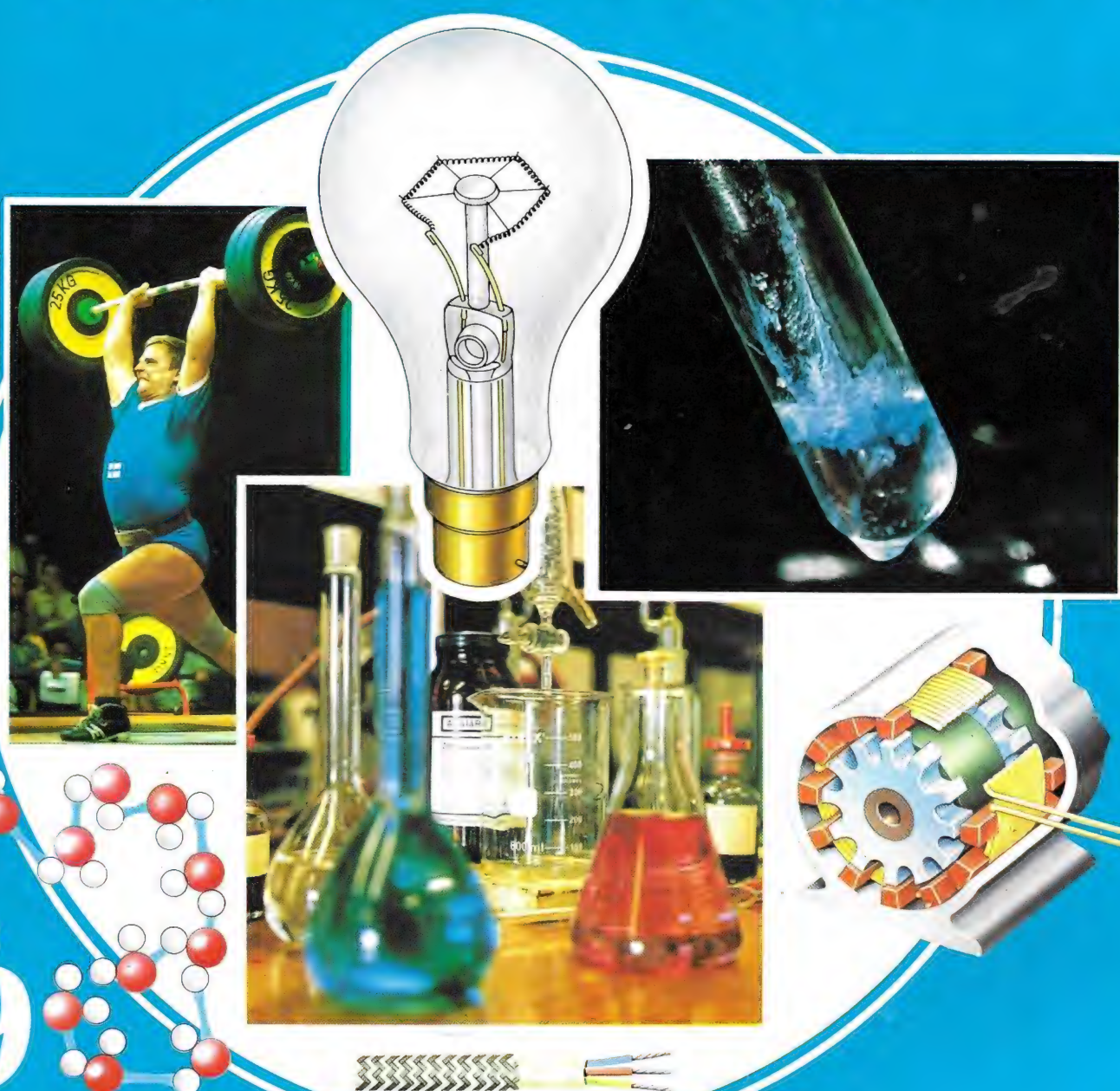


part
18

**This part includes: energy • gravity/magnetic force • motion/speed/acceleration
hydrostatics • dynamics of sound and acoustics • gas/liquid/solids • heat/temperature
thermodynamics • light and colour • theories of relativity • how lasers work**

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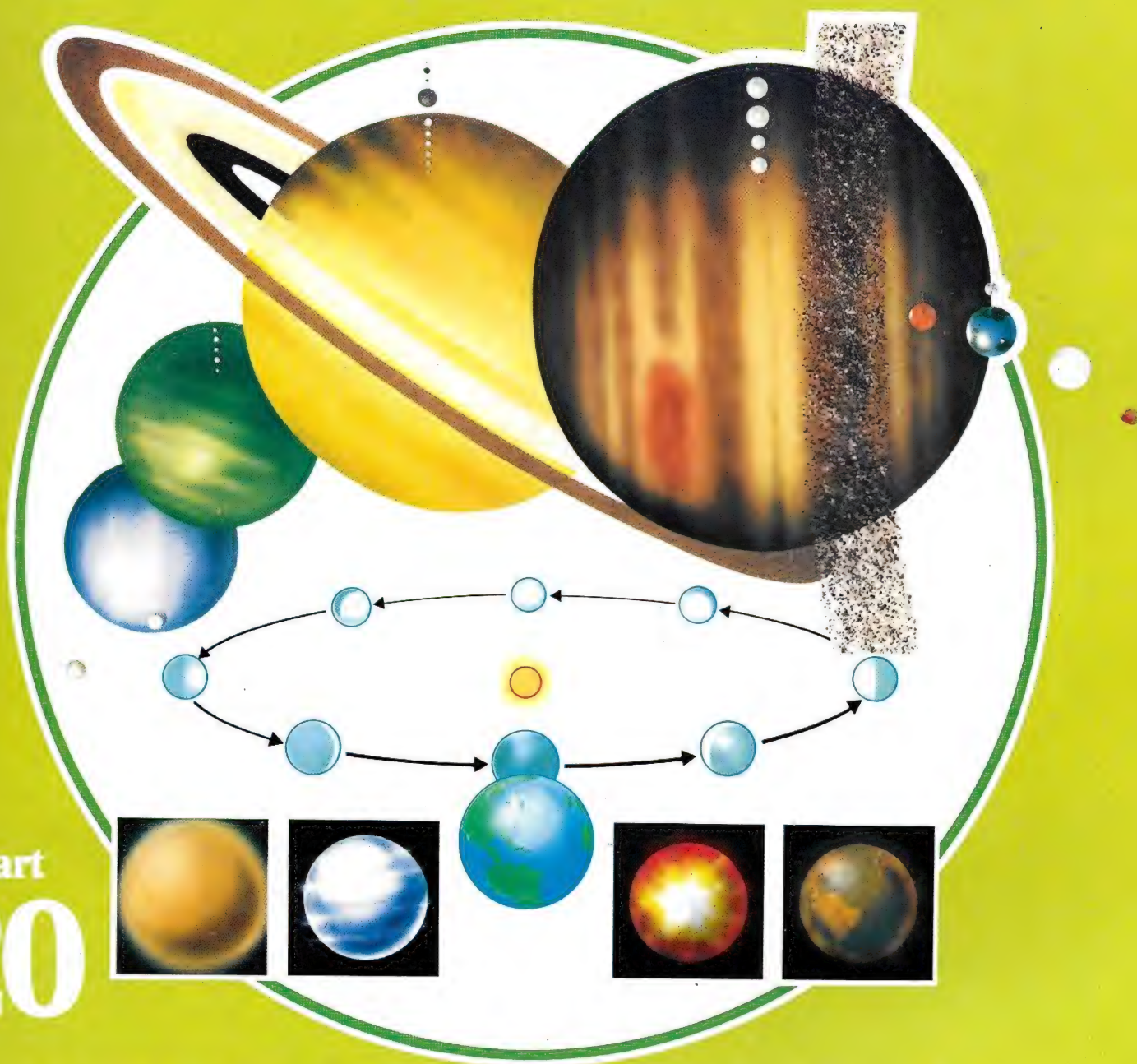
part
19

This part includes: electricity • magnetism • transformers/motors/dynamos • electronics
understanding chemistry • how elements are classified • joining atoms • man-made compounds
chemical reactions/electrolysis/analysis • chemistry of life • giant molecules

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part
20

This part includes: understanding astronomy • mapping the stars/planets
telescopes/observatories/radio astronomy • our solar system • the Moon/lunar exploration
Mercury/Venus • Earth as a planet • missions to Mars • close-up on Jupiter

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part 21

**comets/meteors/meteorites • the sun and its atmosphere/radiation • stellar types/evolution
pulsars and black holes • our galaxy • types of galaxies • the expanding universe**

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part
22

This part includes: star guides and maps • the story of man's space achievements
space vehicles • space stations • colonising the moon • the Martian base
exploring the inner/outer planets • exploring Jupiter and Saturn • alien life forms

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This part includes: illness and health • causes of disease • alcoholism • drug abuse
community medicine • preventive medicine • natural remedies • man-made cures
radiology and radiotherapy • having an operation • dentistry • birth control

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part
24

This part includes: mental health/illness • behaviour therapy • psychotherapy
personality types • thinking and understanding • language development • social development
moral and emotional development • ageing and longevity • questions of life and death

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part
25

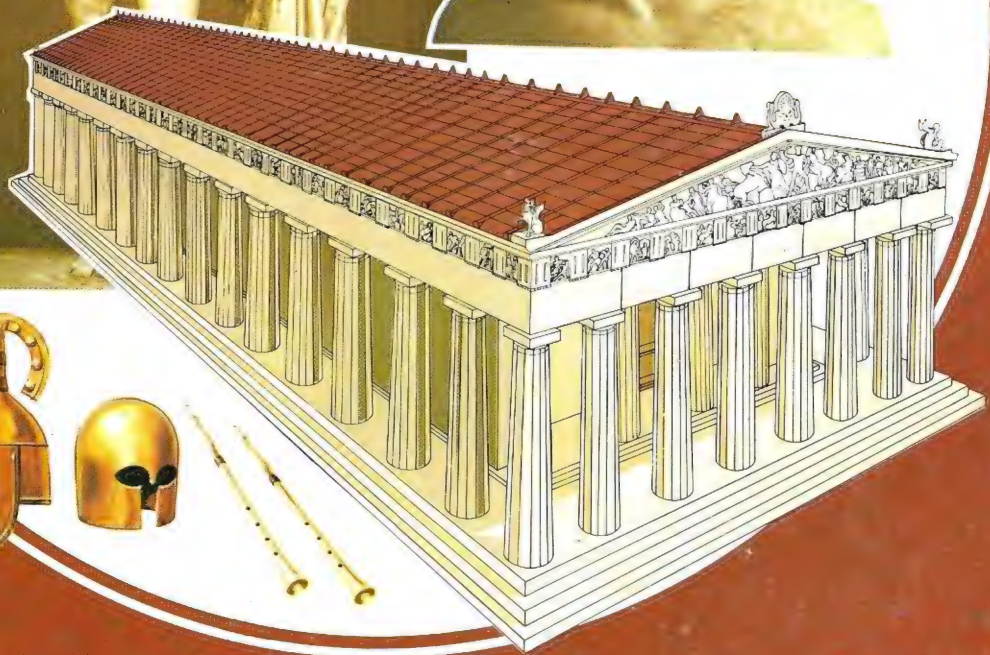
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Egypt, the Old and Middle Kingdoms • Minoan civilization • Stone Age Britain
China to 1000 BC • America to AD 300 • the Phoenicians • Europe to 500 BC**

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part
26



This part includes: classical Greece • Greek literature and theatre • Greek art • Alexander the Great • Bronze and Iron Age Britain • the Celts • early Rome • the Roman empire • Roman rule in Britain • Roman art • the Roman emperors • Christ and the Apostles

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part
27

This part includes: early science • India 300-1200 • China 1000 BC-AD 618
medieval Western Christendom • the barbarian invasions • the Celts and Christianity
the Byzantine Empire • Islam and its art • the Vikings • the Holy Roman Empire

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part
28

This part includes: Norman and Angevin England • Islam in Europe • Romanesque art the Crusades • medieval Ireland • Scotland to Bannockburn • Wales to the Act of Union thirteenth-century European learning • Gothic art • France's emergence • feudalism

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part
29

This part includes: the Hundred Years War • the age of Chaucer • later Gothic art
the Ottoman Empire • exploration • the Mongol empires • African empires • Columbia and Peru
the settlement of the Americas • the Renaissance and Humanism • Florentine art

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part
30

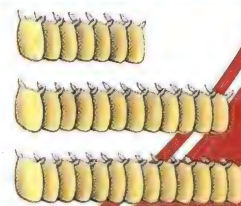
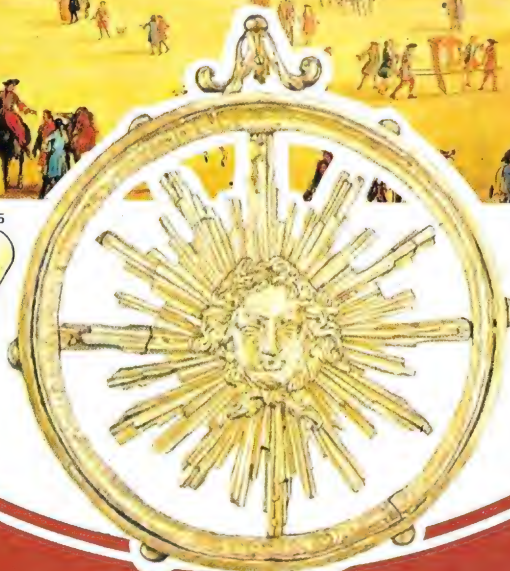
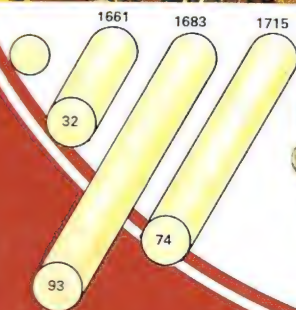
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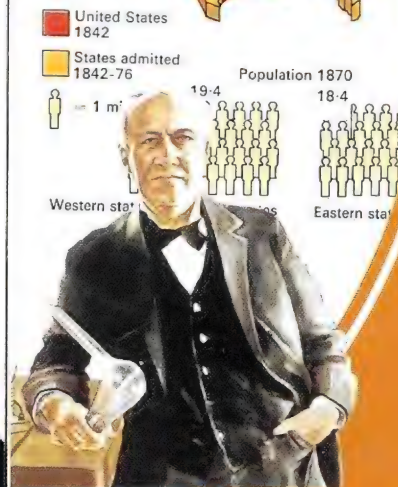
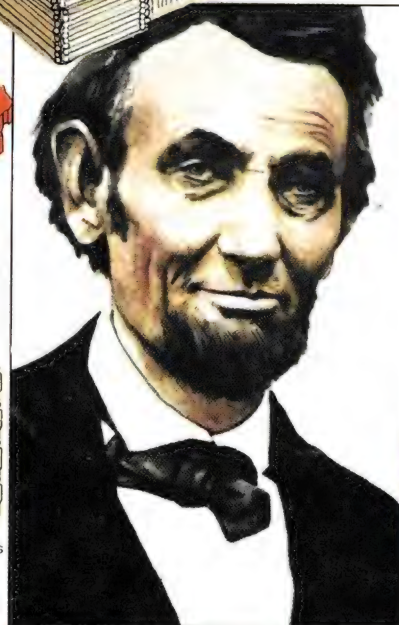
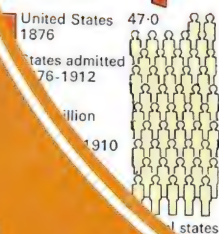
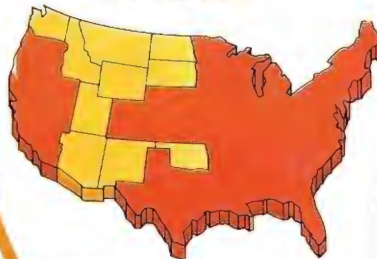


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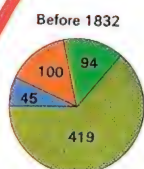


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Scotland
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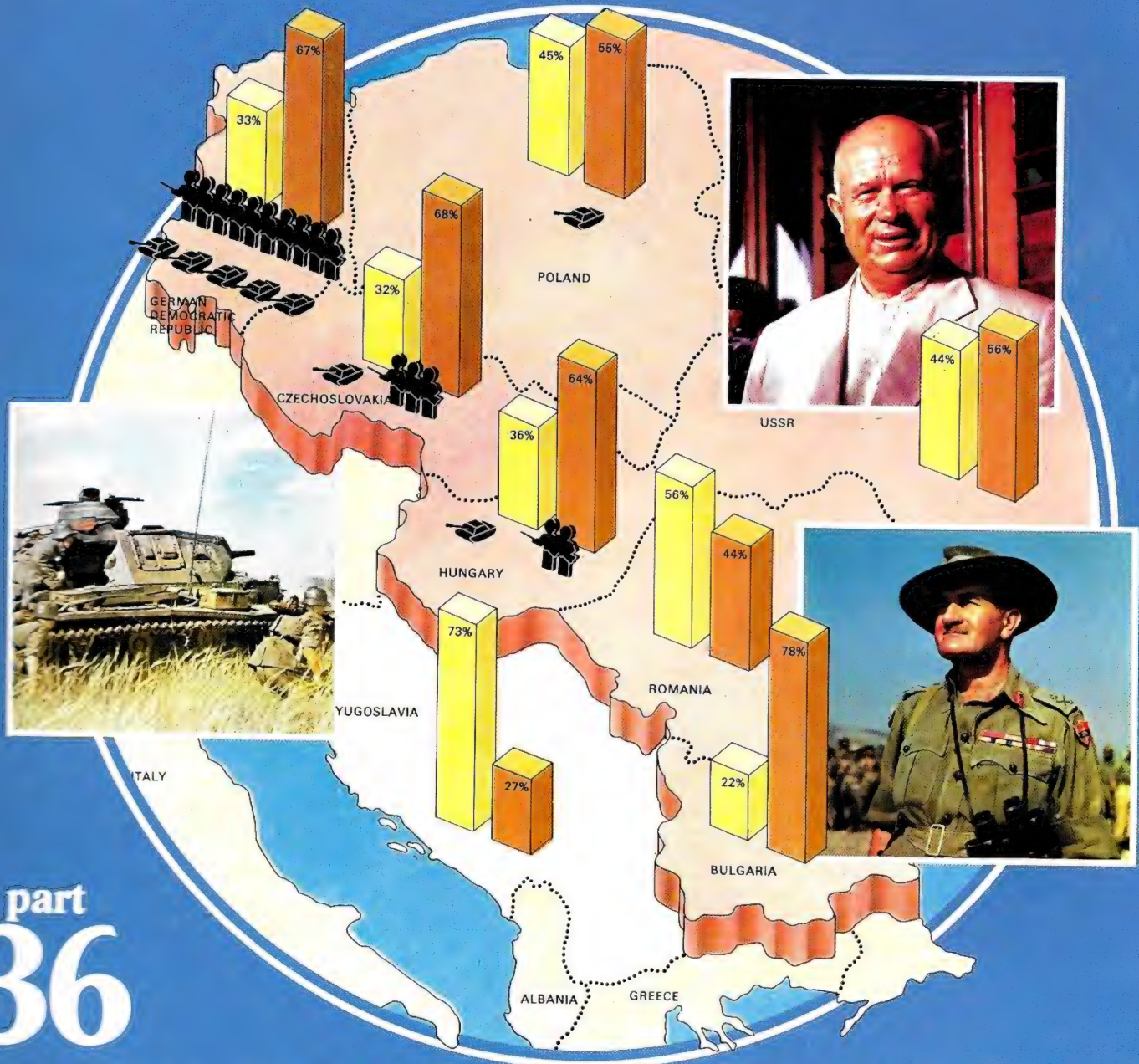


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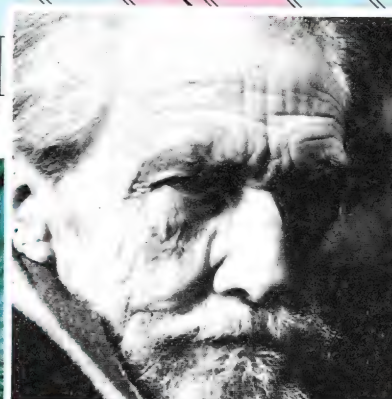
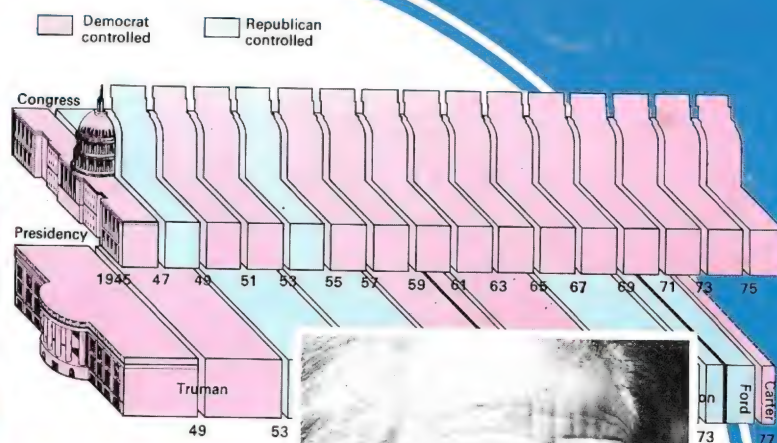
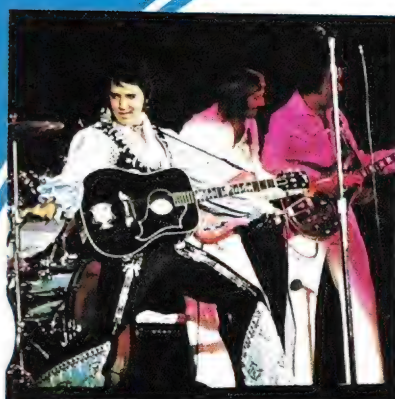
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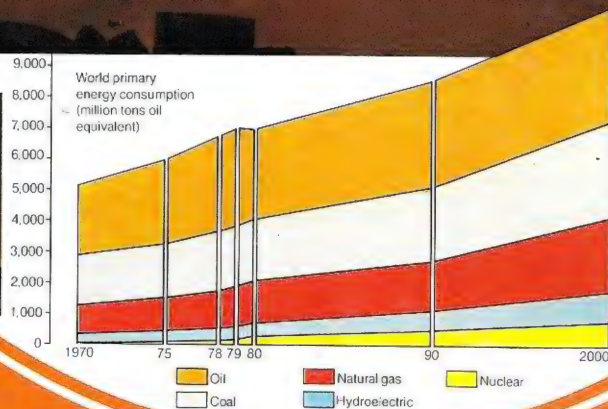
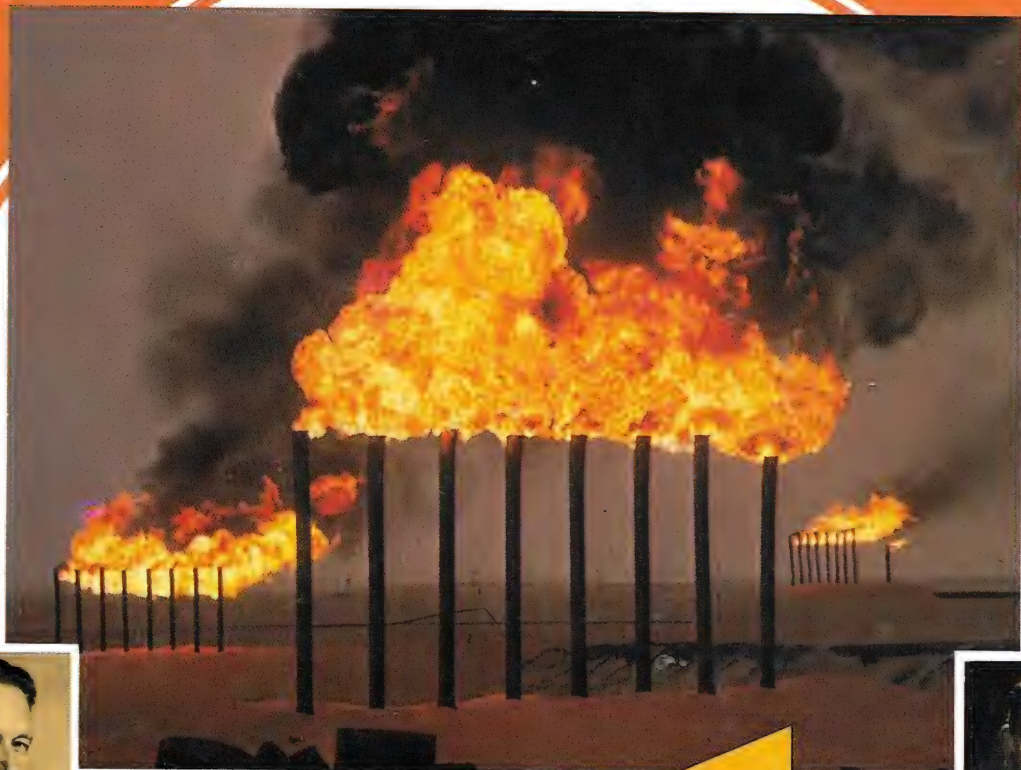


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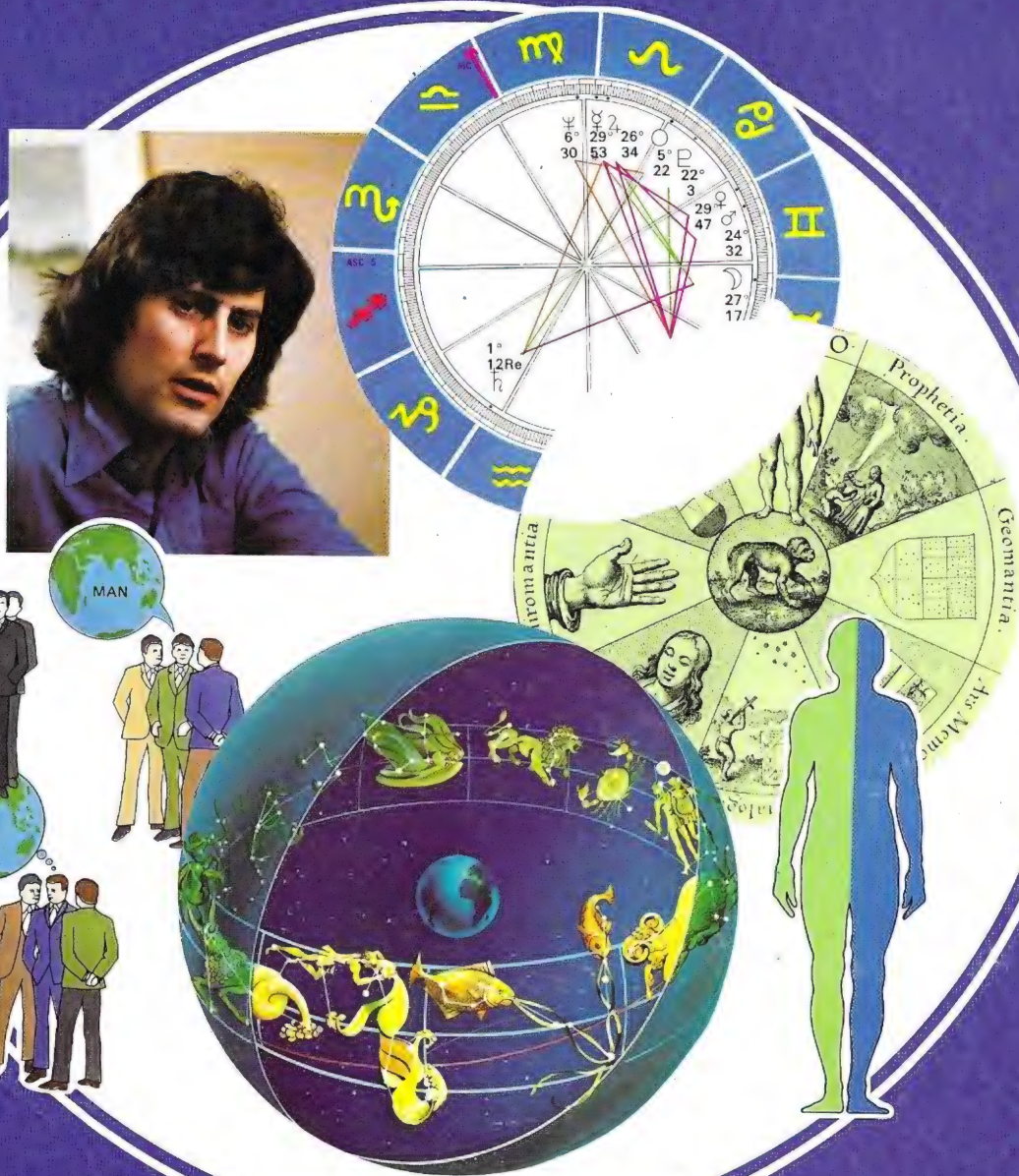


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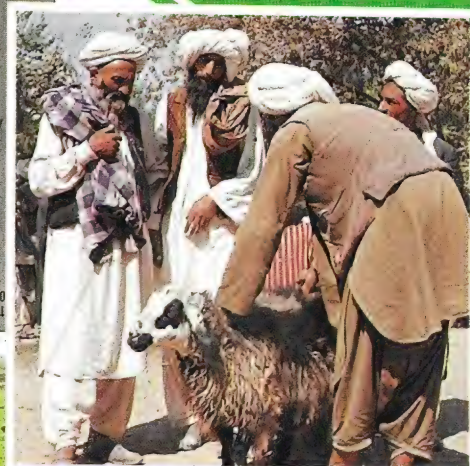
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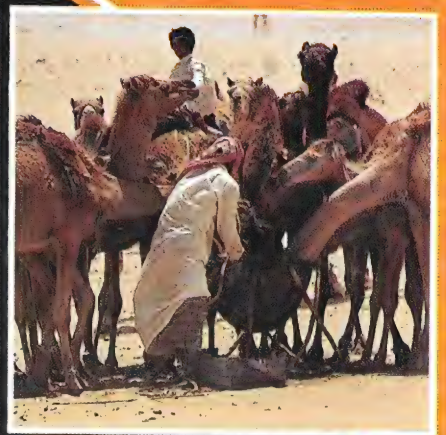
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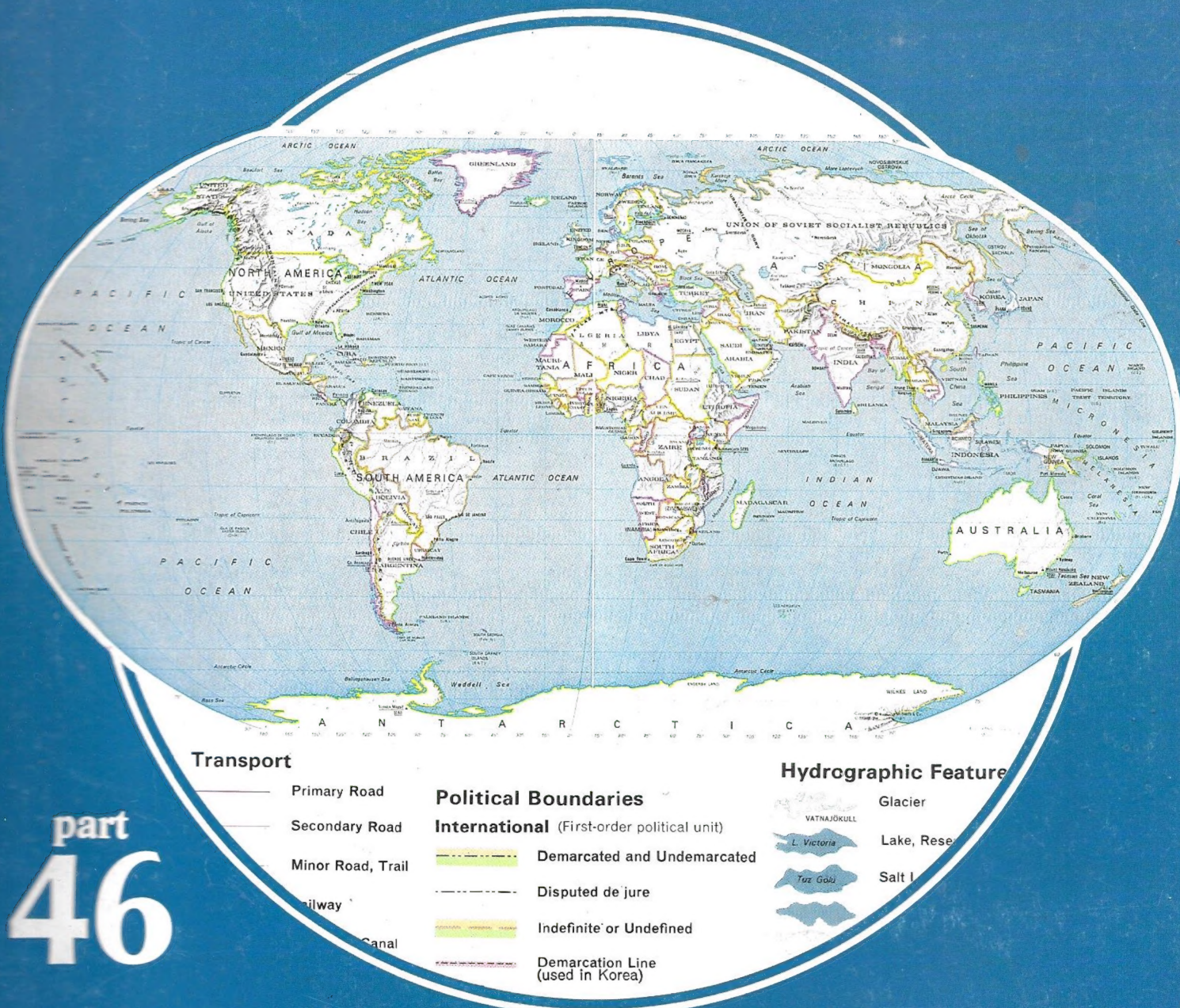
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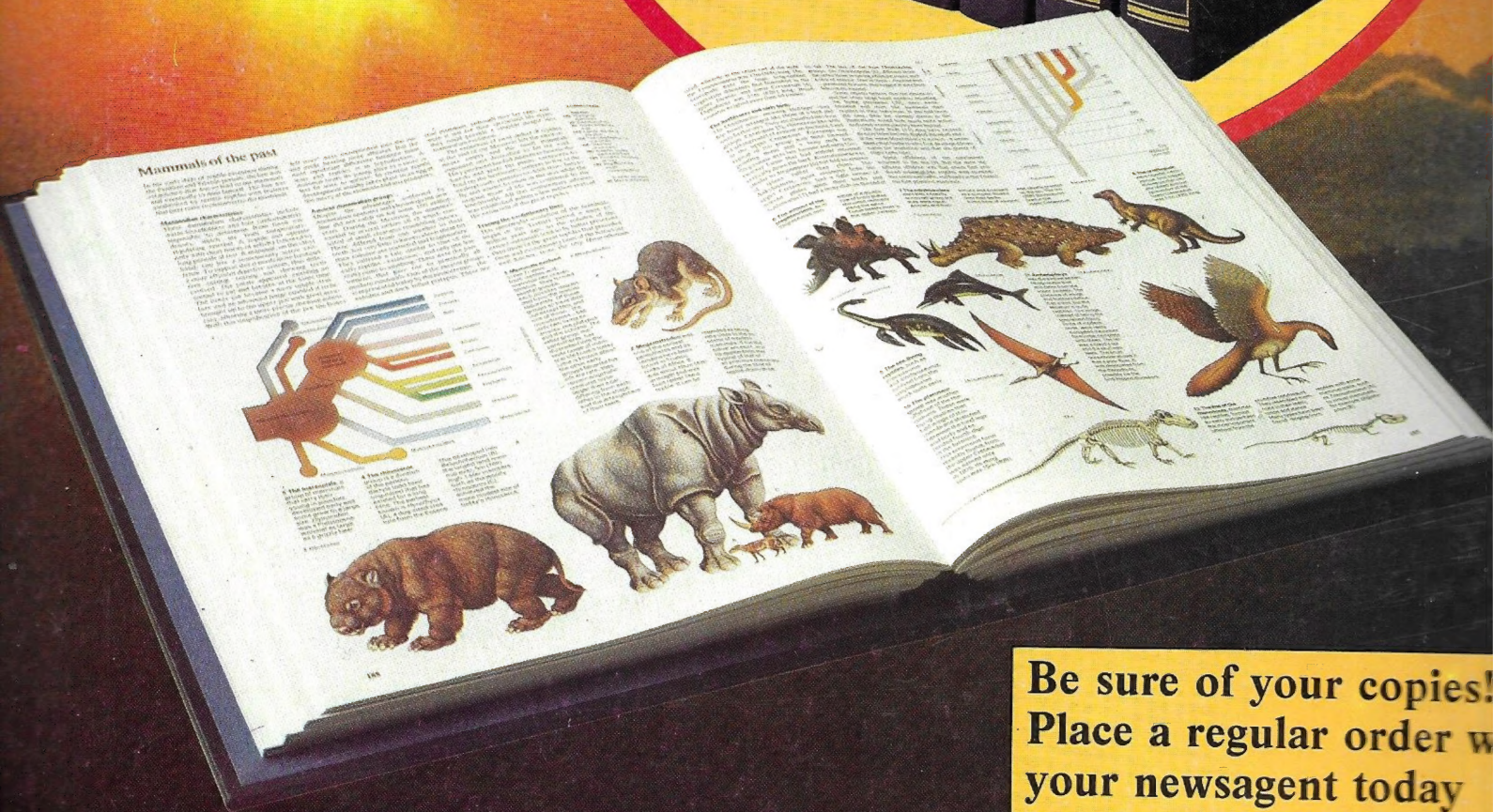
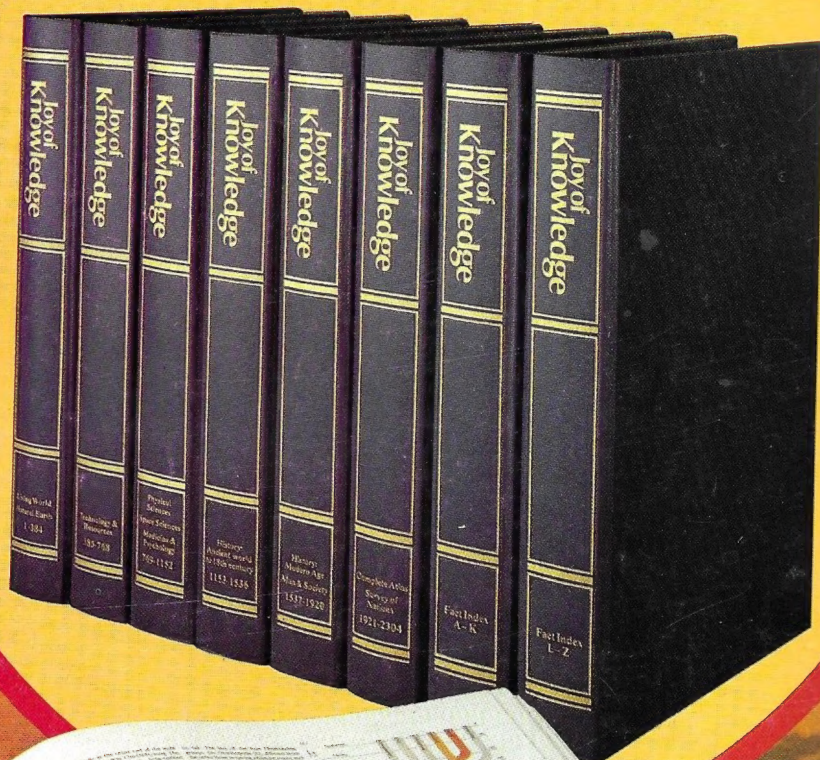
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